Architectural Issues in the News

Source: Jari Arkko
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

- There were no appeals.
PROGRAM REPORT
About the IAB

- Charter (RFC 2850)

- Website
  - http://www.iab.org/

- Programs
  - http://www.iab.org/activities/programs/

- Drafts and RFCs

- Issue Tracker
  - http://trac.tools.ietf.org/group/iab/trac/report/1

- Documents & Correspondence

- 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
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
    ● In IAB Last Call
  ● 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:
- Discussion welcome at [i18n-discuss@ietf.org](mailto:i18n-discuss@ietf.org)
- Recent activities
- 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):
- Community review takes place on [rfc-interest@rfc-editor.org](mailto: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 cannot 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 CITEL 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:
- Tasks:
  - Strategic planning for the relationship(s), building on [RFC 6220](https://tools.ietf.org/rfc/rfc6220)
  - 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:
- 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:
- 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?