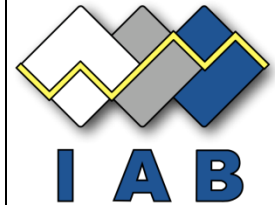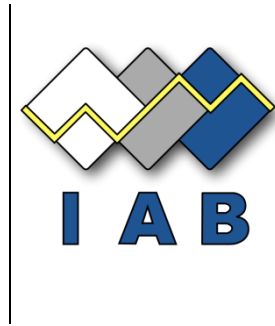# IAB Chair Report

IETF 90
Toronto, CA
21 July 2014

# Highlights Since IETF 89

- IAB commented to NIST encouraging transparency and openness for all of their publications <here>

- IAB commented to ICANN on principles, mechanisms, and process to develop a proposal to transition NTIA's stewardship of the IANA functions <here>

- IAB appointed Sarah Banks and Robert Sparks to RSOC

- IAB appointed Sean Turner to ISOC Board of Trustees

- RFC 7288: Reflections on Host Firewalls

- IAB appointed Matt Miller as liaison manager to ECMA TC39

# Highlights Since IETF 89

- RFC 7295: Report from the IAB/IRTF Workshop on Congestion Control

- RFC 7305: Report from the IAB Workshop on Internet Technology Adoption and Transition (ITAT)

- IAB appointed Russ Housley and Lynn St.Amour to the Coordination Group for the transition of the IANA stewardship

- RFC 7241: The IEEE 802/IETF Relationship

# Document Status

- draft-iab-crypto-alg-agility-01 – IESG will handle to produce a BCP
- draft-iab-doi-01 – Community Review complete
- draft-iab-filtering-considerations-06 – Community Review complete
- draft-iab-iana-framework-02 – Active IAB Document
- draft-iab-smart-object-architecture-03 – IAB Last Call
- draft-iab-styleguide-01 – RFC Editor queue
- draft-iab-2870bis-01 – IESG will handle to produce a BCP; IETF Last Call had finished

# Standards Process Oversight and Appeals

- No appeals
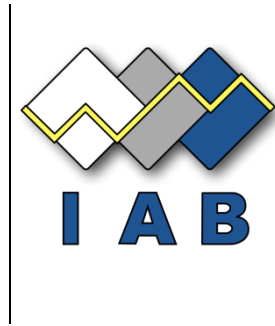
# Ongoing Appointments

- **2015 ICANN Nominating Committee**
  - IAB asked for volunteers by last Friday
  - Contact us immediately if you want to be considered for this position

- **Independent Stream Editor**
  - IAB is seeking feedback on the current ISE, Nevil Brownlee
  - Feedback will determine if any further actions are needed

# Highlights from IAB Retreat

- Met in conjunction with LACNIC
- Restructured the IAB programs to allow the IAB to focus on the topics that are most relevant to the Internet today
  - See the backup slides for details on the program restructuring
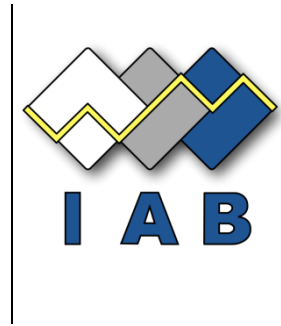  - The Privacy and Security program represents a significant effort for the IAB in 2014

# IAB Programs
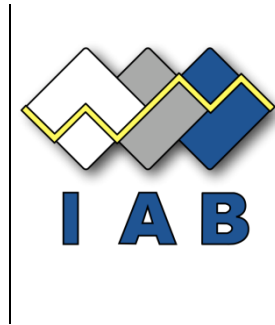## http://www.iab.org/activities/programs/

- Emergency Services
- IANA Strategy
- Internationalization
- IP Stack Evolution
- Name Resolution
- ITU-T Coordination
- Liaison Oversight
- Privacy and Security Program
- RFC Editor (includes RSOC)

# BACKGROUND AND CONTEXT

# 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)
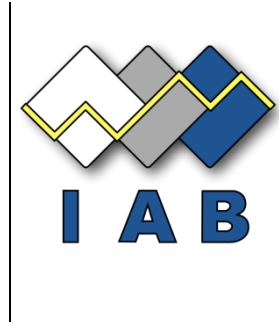
a. IESG Appointment

b. Architectural Oversight

c. Standards Process Oversight and Appeal

d. RFC Series and IANA

e. ISOC Liaison

f. External Liaison

# Public Mailing lists
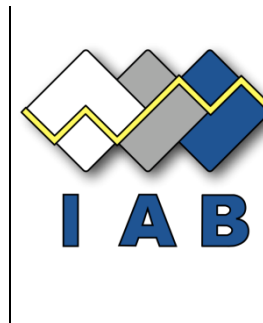
- **General Architecture Discussion**
  - architecture-discuss@ietf.org
  - To join: https://www1.ietf.org/mailman/listinfo/architecture-discuss
- **Internationalization**
  - i18n-discuss@ietf.org
  - To join: https://www.ietf.org/mailman/listinfo/i18n-discuss
- **Privacy**
  - ietf-privacy@ietf.org
  - 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
- **Internet Governance and IETF technical work**
  - internetgovtech@iab.org
  - To join: https://www.iab.org/mailman/listinfo/internetgovtech
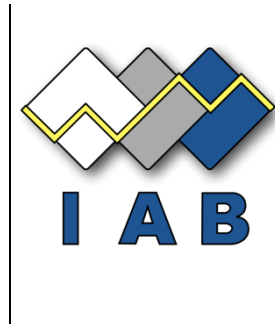
# IAB Programs

- IAB Programs are a mechanism for the IAB to work on projects that require a bigger commitment than a two-year term
  - The IAB draws talent from any part of the Internet technical community

- At the IAB Retreat, the IAB restructured the programs and set goals for each program
- A few programs have minimal goals, but were not closed to assist if events warrant
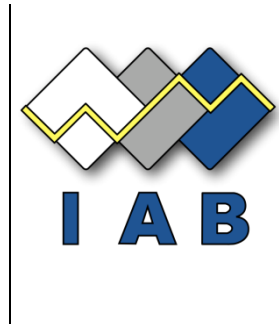
# RFC Editor Program

- RFC Series Oversight Committee (RSOC) is essentially the whole program
- RSOC is required by RFC 6635
- RSOC does the performance review of the RFC Series Editor (RSE), ensures the RSE's priorities, and provides additional review of the RSE's results
- The IAB will select the Independent Submission Editor (ISE) in late 2014

# Liaison Oversight Program

- The program facilitates review of the IETF's liaison relationships

- We established a liaison relationship with ECMA TC39.  Matt Miller is the liaison manager.

- Still working on updating some of the documents

- Some tooling work is going on (thanks, Robert Sparks)

# ITU-T Coordination Program

- The program focuses on addressing potential overlaps between IETF and ITU-T work
- The program is expected to help respond to Plenipotentiary work item proposals

# IP Stack Evolution Program

- Follows from previous IP Evolution program, addressing challenges to protocol stack architecture

- Current focus on innovation in the increasingly long and narrow "waist" of the protocol stack:

  - Evolution of transport interfaces beyond SOCK_STREAM and SOCK_DGRAM (see also TAPS)

  - Improving path transparency (e.g., in the presence of middleboxes)

# Name Resolution Program

- The program was broken apart from the previous "IP Evolution" program

- The program focuses on resolving names via different protocols, including DNS, mDNS, host files, and so on

- The program is expected to examine name resolution in the Internet with many more gTLDs, split horizon, and possibly DNS encryption

# Internationalization Program

- The program focuses on issues around character sets and languages
- The program is expected to be largely dormant this coming year, but it will remain active to advise the IAB on any issues that arise
- The program will also continue to work on the update to RFC 2277 as time permits

# IANA Strategy Program

- The program focuses on IANA
- The program will be consumed by the transition of NTIA stewardship to the multi-stakeholder Internet community

# Emergency Services Program

- The program focuses on issues around emergency services on the Internet

- The program is expected to be largely dormant this coming year, but it will remain active determine if the IAB can assist in getting global recognition of IETF standards that are related to emergency services

# Privacy and Security Program

- The program, called PRIVSEC, is a combination of the earlier Privacy Program and the earlier Security Program

- The program provides a forum to develop, synthesize and promote security and privacy guidance within the Internet technical standards community

- The program is large, and it will be a significant effort for the IAB in 2014