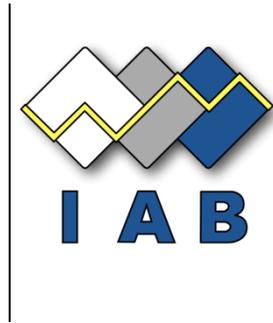# IAB Chair Report

IETF 91
Honolulu, CA
10 November 2014

Highlights Since IETF 90

- IAB reappointed Lars Eggert as IRTF Chair
- IAB reappointed of Nevil Brownlee as the Independent Submission Editor (ISE)
- IAB published RFC 7322: RFC Style Guide
- IAB appointed John Levine to serve on the 2015 ICANN NOMCOM

Upcoming IAB Workshop

Stack Evolution in a Middlebox Internet (SEMI)

- Expression of Interest: 31 October 2014
- Position Papers: 7 November 2014
- Notification Deadline: 17 November 2014
- Workshop Dates: 26-27 January 2015

The Internet's transport layer has ossified, squeezed between narrow interfaces (from BSD sockets to pseudo-transport over HTTPS) and increasing in-network modification of traffic by middleboxes that make assumptions about the protocols running through them. This ossification makes it difficult to innovate in the transport layer, through the deployment of new protocols or the extension of existing ones. At the same time, emerging applications require functionality that existing protocols can provide only inefficiently, if at all.
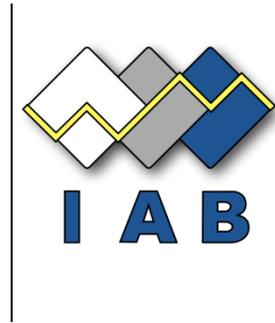
Document Status

- 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-privsec-confidentiality-threat-00 – Active IAB Document
- draft-iab-smart-object-architecture-06 – RFC Editor queue soon
- draft-iab-2870bis-01 – IESG will handle to produce a BCP; IETF Last Call had finished

Standards Process Oversight and Appeals

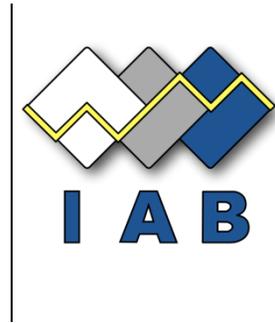- No appeals
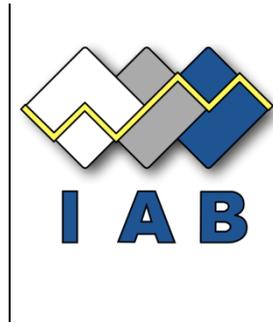
Ongoing Appointments

- **IAOC Member for Mar 2015 to Mar**
  - The IAB asked for volunteers by last Friday
  - Willing volunteers have been sent questionnaires
  - The IAB will ask for community feedback on the the willing volunteers in the next few weeks
  - The IAB expects to make a decision in early December 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)
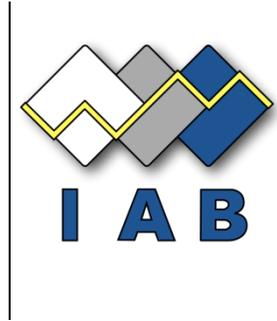
a. IESG Appointment

b. Architectural Oversight

c. Standards Process Oversight and Appeal

d. RFC Series and IANA

e. ISOC Liaison

f. External Liaison

Public Mailing lists
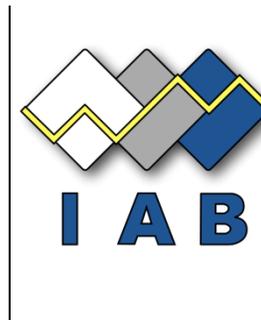
- **General Architecture Discussion**
  - architecture-discuss@ietf.org
  - To join: https://www1.ietf.org/mailman/listinfo/architecture-discuss
- **Internationalization**
  - i18n-discuss@ietf.org
  - To join: https://www.ietf.org/mailman/listinfo/i18n-discuss
- **Privacy**
  - ietf-privacy@ietf.org
  - 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
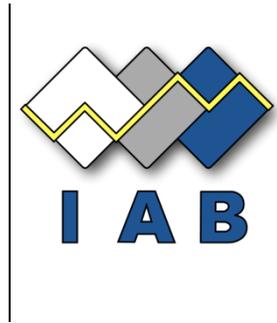
IAB Programs

- 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
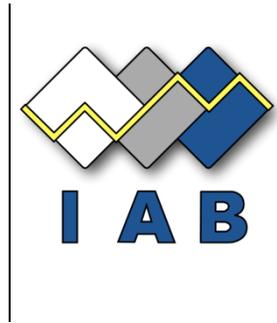
RFC Editor Program

- 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 reappointed Nevil Brownlee as the Independent Submission Editor (ISE)

Liaison Oversight Program

- The program facilitates review of the IETF's liaison relationships
- New Internet-Draft being considered on how liaison relationships are managed
  - Consolidates some RFCs
  - Addresses some new issues like compensation
- New ISO relationship being discussed
  - Access limits to documents is an issue

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

- Addresses challenges to evolve protocol stack architecture:
  - transport layer interfaces
  - path transparency
- Upcoming Workshop on Stack Evolution in a Middlebox Internet (SEMI) in Zürich, CH on 26-27 January 2015
- Tight coordination with related work in the IETF, especially Transport Services (TAPS) WG

Name Resolution Program

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

- Just getting started, but will focus 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 remains active to advise the IAB on any issues that arise
  - Latest plan: a high-level view on precis and other protocols
- The program will also continue to work on the update to RFC 2277 as time permits
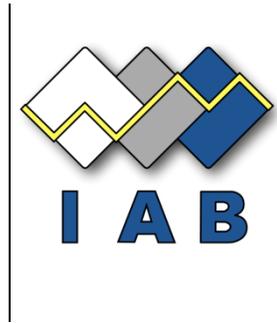
IANA Strategy Program

- The program focuses on IANA
- Program members are actively involved in the current NTIA/IANA transition
- Monitoring and participating in the work of the IANAPLAN WG
- Source of recommendations for IAB text for the IANAPLAN WG document

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 to determine if the IAB can assist in getting global recognition of IETF standards that are related to emergency services

Privacy and Security Program

- Set up 3 streams, each with its own "showrunner"
- Confidentiality program currently most active (Joe Hall, showrunner).
  - Published draft-iab-privsec-confidentiality-threat
  - Working on mitigations and their side effects this week
  - Proposed a statement on encryption and confidentiality for IAB consideration