What’s the IAB do?

- Confirm IESG Appointment
- Architectural Oversight
- Standards Process Oversight and Appeal
- RFC Series and IANA
- ISOC Liaison
- External Liaison
What’s the IAB done (1)?

- RFC 7500, “Principles for Operation of Internet Assigned Numbers Authority (IANA) Registries” (RFC series & IANA)
- Comments on the HTTPS-Only Standard (Architectural Oversight & External Liaison)
- Appointed members to ISOC BoT (ISOC Liaison)
- Comments on ICANN CCWG-Accountability draft (External Liaison)
- Appointed ICANN RSSAC Liaison (External Liaison)
What’s the IAB done (2)?

- “Statement on the Trade in Security Technologies” (Architectural Oversight & External Liaison)
- Held CARIS workshop (Architectural Oversight)
- Announced MaRNEW workshop (Architectural Oversight)
- Re-appointed Liaison to ICANN Board (External Liaison)
- Responded to an appeal (Standards Process Oversight and Appeal)
Documents

- draft-iab-crypto-alg-agility-06 — IESG will handle to produce a BCP
- draft-iab-privsec-confidentiality-threat-07 — With RFC Editor
- draft-iab-filtering-considerations-07 — Recent update after community review
- draft-iab-semi-report-00 — Community feedback being integrated
- draft-iab-strint-report-02 — Community feedback being integrated
- draft-iab-privsec-confidentiality-mitigations-02 — Active
About RFC series

- draft-iab-doi-04 – Community Review
  Last time we said, “draft-iab-doi-01 – Community Review complete; being implemented”
Less than perfect process
Going to fix this in next rounds
  - draft-iab-rfc-preservation-00 – Active IAB Document
  - draft-iab-xml2rfcV2-01 — Active IAB Document
IAB Programs
http://www.iab.org/activities/programs/

- Emergency Services
- IANA Evolution
- IETF Protocol Registries Oversight Committee (IPROC, with IAOC)
- Internationalization
- IP Stack Evolution
- Liaison Oversight
- Names and Identifiers
- Privacy and Security
- RFC Editor (includes RSOC)
Empowering programs

● Programs exist at the pleasure of the IAB
● We want to be useful
● IAB output is signed by everyone on the IAB
  I don’t want to sign anything I don’t positively agree with
  I might not have time or care for the topic
So maybe sometimes programs could speak
  ● Trying out different ways
Tried correspondence from IAB lead with IANA evolution response to ICANN CWG-Stewardship
Programs and architecture

• IAB organizes long-term work into programs
• IAB architecture programs try to answer, “What principles guide work in the program’s area?”
• Once those principles are clear
  – the IETF might hold a BoF and charter a WG
  – the IRTF might charter a research group
  – someone might take the work somewhere else
  – people might figure the problem isn’t interesting
How programs do work

• Programs can identify principles in any number of ways
• They can explore the problems in lots of ways
  – Whiteboards
  – Napkins
  – Exploratory code
• Don’t expect IETF to adopt whiteboards, napkins, or exploratory code
Upcoming workshop

Managing Radio Networks in an Encrypted World (MaRNEW) Workshop

24-25 September, Atlanta, GA, USA
Joint with ISOC, AT&T, and GSMA
IAB appeal response

JFC Morfin’s appeal of IESG response to previous appeal of draft-ietf-ianaplan-icg-response

Ted Hardie
Background

The IAB received the appeal June 22, 2015.

Recusals because of other roles within the IANAPlan working group or process:

• Jari Arkko
• Marc Blanchet
• Russ Housley
• Andrew Sullivan
• Suzanne Woolf
Response

The IAB response is now posted on the IAB website.

Summary of the outcome:
• Declined to annul the decision of the IESG
• Concurred with IESG that appeals must be of actions already taken.
• Believes that the RFC 2026 appeal process was followed
• Notes that other processes, including the working group process, remain open to him
• Recommended he use those to pose the questions
BACKGROUND AND CONTEXT
About the IAB

- Charter (RFC 2850)
- Website
- Programs
- Drafts and RFCs
- Issue Tracker
- Documents & Correspondence
- Minutes (thanks to Cindy Morgan!)
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
Selected Program Details
all programs at http://www.iab.org/activities/programs/
Names and Identifiers

• “The Names and Identifiers Program covers various topics concerning naming and resolution.”
• Various protocols in the IETF rely on the ability to name stuff. DNS is not the only way.
• What problems do we have with names and identifiers? What guidance can the IAB provide for doing it better?
• As a new IAB Program, also a guinea pig for how Programs work
  - Inviting members
  - Identifying work items that aren’t “boil the ocean”
Privacy and Security

The program’s confidentiality threat model is in the RFC editor queue as an informational document.

The program’s confidentiality threat mitigations document is getting early community review. Related work on data minimization is expected may be folded in to current doc.

The IAB work on crypto agility is targeted for BCP, so will get IESG processing via Stephen Farrell.

There is new work on problems with the Web PKI starting up.

The group solicited an IAB statement on export controls of security technologies and provided a draft to the IAB.
IP Stack Evolution

• “What can be done to make new protocols deployable within the IP stack?” – current focus between network and application layers
• New work items including:
  - principles for new protocol deployability
  - principles for stack architecture on constrained devices
  - Architectural commonality in (UDP) encapsulation
    (on which see draft-ietf-rtgwg-dt-encap-00)
• Follow up from the Dallas SPUD BoF
  - discussion on requirements continues (spud@ietf.org)
  - potential future TSV WG-forming BoF
• Follow-up from the Dallas HOPS BarBoF
  - Proposed RG on Friday morning (hops@ietf.org)
• Finishing up draft-iab-filtering-considerations
IAB statements
IAB statement on the Trade in Security Technologies
Summary

• We are sympathetic but concerned because:
  – Vulnerability identification is a fundamental part of security practice, and restrictions on it will make it harder to design and deploy secure systems.
  – Traffic analysis systems are crucial for identifying attacks and analyzing the success of remediations
• We believe efforts to target attack code will sweep up other security technologies with elements that resemble attacks.
• We believe there is a parallel to the RFC 1984 analysis on encryption and recommend that export restrictions on security technologies be generally avoided.