

IAB Report to Community

IETF 93
Prague, CZ
2015-07-21





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)

<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/>



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
- <https://www.iab.org/activities/programs/ip-stack-evolution-program/>
- 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.