

# DNSOP

DNS Operations

IETF 121

4 November 2024

# Welcome to DNSOP

## Chairs

- Benno Overeinder <[benno@NLnetLabs.nl](mailto:benno@NLnetLabs.nl)>
- Tim Wicinski <[tjw.ietf@gmail.com](mailto:tjw.ietf@gmail.com)>
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## IESG Overlord

- Warren Kumari <[warren@kumari.net](mailto:warren@kumari.net)>

[Zulip/Meetecho](#)

[MeetEcho](#)

[OnSite Tool](#)

## Minutes

<https://notes.ietf.org/notes-ietf-121-dnsop>

Minutes: Paul Hoffman!

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

By participating in the IETF, you agree to follow IETF processes and policies.

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Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.

As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

[BCP 9](#) (Internet Standards Process)

[BCP 25](#) (Anti-Harassment Procedures)

[BCP 78](#) (Copyright)

[IETF/IRTF/IAB Privacy Statement](#) (Privacy Policy)

[BCP 25](#) (Working Group processes)

[BCP 54](#) (Code of Conduct)

[BCP 79](#) (Patents, Participation)

# IETF Code Of Conduct Guidelines RFC7154

1. Treat colleagues with respect
2. Speak slowly and limit the use of slang
3. Dispute ideas by using reasoned argument
4. Use best engineering judgment
5. Find the best solution for the whole Internet
6. Contribute to the ongoing work of the group and the IETF

**We take this very seriously. If you feel the Code has been violated, please reach out to the chairs or the IETF ombuds team.**

**"We work as Individuals, let's remember to be nice to each other"**

# IETF Meeting Tips

- In-person participants
  - Make sure to sign into the session using the Meetecho OnSite Tool from the Datatracker agenda
  - Use Meetecho to join the mic queue
  - Keep audio and video off if not using the onsite version
- Remote participants
  - Make sure your audio and video are off unless you are chairing or presenting during a session
  - Use of a headset is strongly recommended

# Agenda

# Agenda

- Bashing, Updates of Current Work (Chairs)
- Hackathon Update
- Current Working Group Business
- For Consideration

# Agenda: Current Working Group Business

- Domain Control Validation using DNS
  - <https://datatracker.ietf.org/doc/draft-ietf-dnsop-domain-verification-techniques/>
  - Shivan Sahib
- DNSSEC Cryptographic Algorithm Recommendation Update Process
  - <https://datatracker.ietf.org/doc/draft-ietf-dnsop-rfc8624-bis/>
  - Wes Hardaker



# Agenda: For Consideration

- DNS IPv6 Transport Operational Guidelines
  - <https://datatracker.ietf.org/doc/draft-momoka-dnsop-3901bis>
  - Tobias Fiebig
- Secret Key Agreement for DNS: The TKEY Resource Record
- Domain Name System (DNS) Public Key Based Request and Transaction Authentication ( SIG(0) )
  - <https://datatracker.ietf.org/doc/draft-eastlake-dnsop-rfc2930bis-tkey/>
  - <https://datatracker.ietf.org/doc/draft-eastlake-dnsop-rfc2931bis-sigzero/>
  - Donald Eastlake

# Agenda: For Consideration

- Deprecation of DNS64 for Discovery of IPv6 Prefix Used for IPv6 Address Synthesis
  - <https://datatracker.ietf.org/doc/draft-buraglio-deprecate7050/>
  - Nick Buraglio

# Other Meetings of Note

## Updates on post-quantum DNSSEC research

When: Thursday, 7 November 1000-1130 IST

Where: Wicklow Hall 2A

Contact: peter@desec.io

<https://ietf.webex.com/meet/ietfsidemeeting2>

# Document Updates/Chairs' Vibes

# Document Status

Since our last meeting:

~~draft-ietf-dnsop-zoneversion~~ **RFC9660**

# RFC Editor Queue

draft-ietf-dnsop-avoid-fragmentation

IP Fragmentation Avoidance in DNS over UDP

draft-ietf-dnsop-rfc8109bis

Initializing a DNS Resolver with Priming Queries

draft-ietf-dnsop-rfc7958bis

DNSSEC Trust Anchor Publication for the Root Zone

# Document Status: In WGLC

draft-ietf-dnsop-structured-dns-error

Feedback from a few folks so far, but **more is needed**

# Document Status: Ready for WGLC ??

## Generalized DNS Notifications [draft-ietf-dnsop-generalized-notify](#)

From the Authors:

- Changes between IETF 120 → IETF 121
  - Include DNSSEC bootstrapping use case (send trigger for RFC 9615 processing)
  - Remove sections with approaches not pursued
  - Editorial polishing
- Authors and Chairs not aware of any open issues → believe draft is done



# Document Status: Ready for WGLC?

- [draft-ietf-dnsop-dnssec-automation](#)
  - DNSSEC automation
  - Expired document brought back
  
- [draft-ietf-dnsop-cds-consistency](#)
  - Clarifications on CDS/CDNSKEY and CSYNC Consistency

# Document Status: On Today's Agenda

- [draft-ietf-dnsop-domain-verification-techniques](#)
  - Domain Control Validation using DNS
- [draft-ietf-dnsop-rfc8624-bis](#)
  - DNSSEC Cryptographic Algorithm Recommendation Update Process

# Document Status:

Ready for WGLC with 8624-bis

- [draft-ietf-dnsop-must-not-ecc-gost](#)
  - Remove deprecated GOST algorithms from active use within DNSSEC
- [draft-ietf-dnsop-must-not-sha1](#)
  - Remove SHA-1 from active use within DNSSEC

# Document Status: **DELEG related?**

Adopted by DNSOP but might be dependent on DELEG (or vice versa)

- [draft-ietf-dnsop-svcb-dane](#)
  - Using DNSSEC Authentication of Named Entities (DANE) with DNS Service Bindings (SVCB) and QUIC
  - Discussions with authors on WGLC
- [draft-ietf-dnsop-ns-revalidation](#)
  - Delegation Revalidation by DNS Resolvers
  - Relevant discussions on motivations now with DELEG work

# Document Status: Expired

Chairs asked for feedback on expired WG documents in the datatracker

Due to lack of comments, marked these documents dead

`draft-ietf-dnsop-rfc2317bis`

`draft-ietf-dnsop-update-timeout`

They can always be resurrected if there's interest!

# Newly Adopted

- [draft-huque-dnsop-grease](#)
  - Greasing Protocol Extension Points in the DNS
  - Work done during Hackathon

# Other Documents of Interest

- [draft-ietf-dnssd-multi-qtypes](#)
  - DNSSD Presentation Thursday
  - Ready for WGLC
- [draft-crocker-dnsop-dnssec-algorithm-lifecycle](#)
  - Authors feel they've resolved 8624-bis conflicts
  - Asking DNSOP to adopt
  - Thoughts?

# Documents Missing the Agenda

- Several Documents were bumped due to time constraints
  - Decision process always open to suggestions
  - Chairs also willing to hold an interim on any/all drafts if WG interested.
- [draft-berra-dnsop-keystate](#)
- [draft-johani-dnsop-delegation-mgmt-via-ddns](#)
  - Authors say these are getting used in real (TLD) world.
  - Chairs seem to remember ISE was discussed.



# Documents Missing the Agenda

- [Client Authentication Recommendations for Encrypted DNS](#)
  - Draft home is UTA but they are not meeting at IETF 121.
  - Joe Abley is now an author!
- Slides!
  - <https://datatracker.ietf.org/meeting/121/materials/slides-121-dnsop-client-authentication-recommendations-for-encrypted-dns-00>

# Documents Missing the Agenda

- [draft-pan-dnsop-explicit-forged-answer-signal](#)
  - "Explicit Forged Answer Signal"
  - Describes how a resolver can be explicit that it's giving a forged answer
  - Idea is that it may help avoid HTTP Cookie leakage

Slides - 2 Page Summary

<https://datatracker.ietf.org/meeting/121/materials/slides-121-dnsop-explicit-forged-answer-signal-00>

# Tracking Document Progress

[https://github.com/ietf-wg-dnsop/DNSOP\\_Doc\\_Tracker/issues](https://github.com/ietf-wg-dnsop/DNSOP_Doc_Tracker/issues)

Updated Issues will show up in the Sunday automated github email.

Filters ▾

Q is:issue is:open

Labels 21

Milestones 4

New issue

 13 Open ✓ 6 Closed

Author ▾

Label ▾

Projects ▾

Milestones ▾

Assignee ▾

Sort ▾

- [draft-crocker-dnsop-dnssec-algorithm-lifecycle](#) Candidate for Adoption  
#19 opened 2 days ago by moonshiner
- [draft-huque-dnsop-grease](#) 1: Practices 4: Maint WG Document 1  
#16 opened on Jul 2 by moonshiner
- [draft-hardaker-dnsop-rfc8624-bis et al](#) 2: DNSSEC 4: Maint Ready for WGLC WG Document 2  
#15 opened on Jun 19 by moonshiner
- [draft-ietf-dnsop-structured-dns-error](#) 4: Maint Implemented WGLC 5  
#14 opened on Apr 28 by moonshiner
- [draft-ietf-dnsop-svcb-dane](#) 4: Maint 3  
#13 opened on Apr 24 by moonshiner
- [draft-ietf-dnsop-dnssec-automation](#) Chairs Ready for WGLC WG Document 7  
#11 opened on Apr 24 by bjovreinder
- [draft-ietf-dnsop-avoid-fragmentation](#) 1: Practices RFC Editor 7  
#9 opened on Apr 10 by wkumari
- [draft-ietf-dnsop-rfc8109bis](#) 1: Practices RFC Editor 11  
#8 opened on Apr 10 by wkumari ↳ IETF 119 - Bris...
- [draft-ietf-dnsop-domain-verification-techniques](#) 1: Practices Authors Chairs 5  
#7 opened on Apr 10 by wkumari
- [draft-ietf-dnsop-rfc7958bis](#) 1: Practices 4: Maint RFC Editor 7  
#6 opened on Apr 10 by wkumari
- [draft-ietf-dnsop-generalized-notify](#) 4: Maint Ready for WGLC WG Document 2  
#4 opened on Apr 10 by wkumari
- [draft-ietf-dnsop-compact-denial-of-existence](#) 2: DNSSEC 4: Maint Chairs WG Document WGLC 2  
#2 opened on Apr 10 by wkumari
- [draft-ietf-dnsop-ns-revalidation-06](#) 1: Practices Authors Ready for WGLC WG Document 8  
#1 opened on Apr 10 by wkumari

# What Else are we working on?

[Datatracker](#)

[Github](#)

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