

Note Well & V6OPS WG Status

IETF 120

- Chairs: Ron Bonica, Nick Buraglio, XiPeng Xiao
 - Advisor: Fred Baker
 - AD: Warren Kumari

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We work as Individuals, and try to be nice to each other

House Keeping

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Agenda: 1 WG Draft, 3 Individuals

- Chair's opening - Note Well & WG status, Xipeng Xiao / Nick Buraglio, 10 minutes

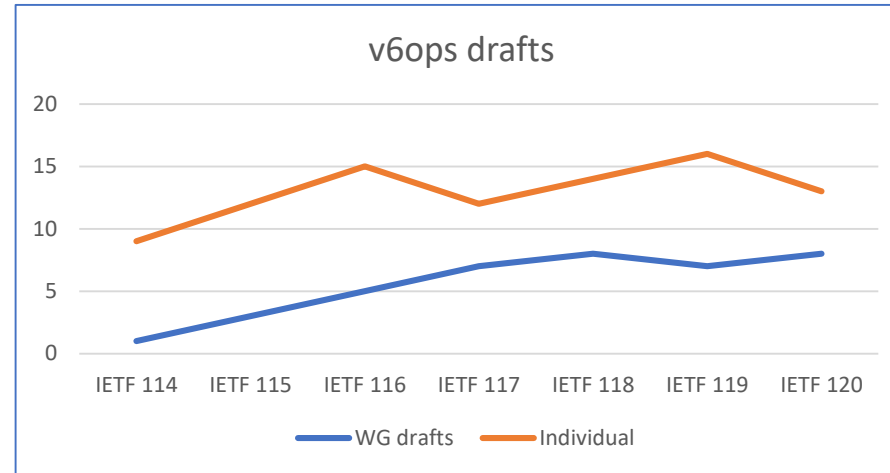
Working Group Drafts

- [464 Customer-side Translator \(CLAT\): Node Recommendations](#), Jen Linkova / Tommy Jensen, 15 minutes

Active Individual Drafts

- [IPv6 CE Router \(7084bis\)](#), Tim Winters, 15 minutes
- [IPv6-Mostly Networks: Deployment and Operations Considerations](#), Jen Linkova, 15 minutes
- [SLAAC fixed /64 boundary problem statement](#), Gyan Mishra, 15 minutes

V6OPS Status: Drafts & Progress



- **Progress**

- Dual stack → IPv6-only with RFCs 8925 (IPv6-mostly) & 8950
- Draft submission: IPv6-Mostly Networks: Deployment and Operations Considerations
- IETF LC / RFC Editor Queue: RFC3849-update, DHCP-pd
- WG LC: HBH, nd-considerations

- **Set WG milestones: towards IPv6-only**

Dec 2024	Publish dhcp-pd, hbh, nd-considerations, rfc3849 -update as RFCs
Jul 2025	Publishing deployment and operations guidelines for IPv6-mostly
Dec 2025	Update IPv6 CPE requirements (rfc7084 -update)
Jul 2026	Identify IPv6 issues that prevent H.E. from selecting IPv6 for Dual-Stack users, and publish operational solutions
Jul 2026	Solicit IPv6-only deployment cases and publish BCP for IPv6-only
Dec 2026	Identify issues that prevent IPv6 traffic from becoming majority, and publish guidelines
Dec 2026	Publish BCP for enterprise IPv6 deployment

Call for Contribution to Important Works

- Contribute to the milestones
- Brian Carpenter's free IPv6 textbook – added guidance on IPv6-Mostly deployment, etc
 - <https://github.com/becarpenter/book6>
 - Only need a valid GitHub account to contribute
- Other tasks?
 - Define & compare IPv6 deployment work load vs IPv4 and try to improve
 - Work with HAPPY WG to define HEv3 logs when IPv6 not selected
 - Measure DNS query speed and connection setup speed: IPv6 vs IPv4
 - Collect IPv6 traffic% stats and correlate with IPv6 user% to identify potential issues, if any
 - Measure number of IoTs on IPv6
 - Educate network & IT engineers about IPv6