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**

<table>
<thead>
<tr>
<th>Date</th>
<th>Task Description</th>
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<tbody>
<tr>
<td>Dec 2024</td>
<td>Publish dhcp-pd, hbh, nd-considerations, <a href="#">rfc3849-update</a> as RFCs</td>
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<tr>
<td>Jul 2025</td>
<td>Publishing deployment and operations guidelines for IPv6-mostly</td>
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<tr>
<td>Dec 2025</td>
<td>Update IPv6 CPE requirements (<a href="#">rfc7084-update</a>)</td>
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<td>Jul 2026</td>
<td>Identify IPv6 issues that prevent H.E. from selecting IPv6 for Dual-Stack users, and publish operational solutions</td>
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<td>Jul 2026</td>
<td>Solicit IPv6-only deployment cases and publish BCP for IPv6-only</td>
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<tr>
<td>Dec 2026</td>
<td>Identify issues that prevent IPv6 traffic from becoming majority, and publish guidelines</td>
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<tr>
<td>Dec 2026</td>
<td>Publish BCP for enterprise IPv6 deployment</td>
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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