

# Proposed IPv6 Charter Update

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# WG Responsibilities

- Complete work on the IPv6 working group documents as described below
- Reviewing and updating IPv6 specifications based on implementation and deployment experience, and advancing them on the standardization track as appropriate

# Urgent for Deployment

- Complete work on DNS Resolver Address Autoconfig and publish
- Complete Prefix Delegation requirements and publish.  
Related work is:
  - Work with DHCPv6 working group to write DHCPv6 option for IPv6 prefix delegation.
  - Develop Proxy Router Advertisement solution for prefix delegation and publish. This enables a simple site border router to re-advertise downstream a prefix it hears on it's upstream link.
- Complete revision of IPv6 MIBs (combined IPv4/IPv6 versions) and publish

# Current Work

- Revise Aggregatable Unicast Addresses (RFC2374) to remove TLA/NLA/SLA terminology
- Revise Basic Sockets Extensions (RFC2553) and publish
- Revise Advanced Sockets API (RFC2292) and publish
- Complete Default Router Preferences, More-Specific Routes, and Load Sharing and publish
- Update to ICMPv6 (RFC2463) and publish
- Complete Node Information Queries and publish
- Update Auto Configuration (RFC2462) and Neighbor Discovery (RFC2461) and publish

## Current Work (Continued)

- Update Privacy Extensions for Stateless Autoconfiguration document (RFC3041) and publish
- Complete work on IPv6 Node Requirements and publish
- Complete work on Flow Label and publish
- Complete work on Scoped Addressing Architecture and publish
- Update IPv6 over PPP (RFC2023) and publish (may be done in PPP Extension w.g.)
- Review Point-to-point link support in IPv6 and decide if any IPv6 specifications need to be updated

# Charter Implications

- Goal is to finish IPv6 and conclude the WG
- Some WG work items not included:
  - An Analysis of IPv6 Anycast
  - Link-scoped IPv6 Multicast
  - Multi-link Subnets (with exception of RA proxy)
  - A Flexible Method for Managing the Assignment of Bites of an IPv6 Address Block

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