IPv6 Neighbor Discovery
Multicast Address Listener Registration

draft-ietf-6lo-multicast-registration

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IETF 113
Remote
6LoWPAN ND (IPv6 Stateful Address Autoconfiguration)

- **RFC 6775** (original 6LoWPAN ND)
  - Defines ARO for registration and DAD operations for stateful AAC
- **RFC 8505** (extended 6LoWPAN ND)
  - Extends ARO, updates the registration procedure
  - Allows registering to network services inc. proxy
- **RFC 8928** (Address Protection for ND)
  - Secures ownership and enables SAVI
- **RFC 8929** (Backbone Router – proxy ND)
  - Defines a proxy ND operation. Updates EDAR to transport ND options such as SLLAO.
- **draft-thubert-6lo-unicast-lookup** (Unicast Address lookup on backbone)
  - Allows the 6LBR to respond to lookups and saves broadcasts
- **draft-ietf-6lo-multicast-registration** (Anycast and Multicast Address Registration)
  - Registers anycast and multicast addresses (in addition to unicast per RFC 8505)
Changes in draft-ietf-6lo-multicast-registration

• Since IETF 112
  • Bumped from 02 to 04
  • Implicit registration of FF02::1 (-04)
  • How RFC 8928 is leveraged to secure addresses (-03)
  • Aligned draft-thubert-bess-secure-evpn-mac-signaling

• During IETF 112
  • Legacy anycast support and backward compatibility (-02)
  • Repurposing EDAR “status” field to carry A and M flags (-02)
Next steps

• Missing items?
• Getting a rough green light from this group
• Passing the token to ROLL for validation there as well