

# IPv6 Neighbor Discovery Multicast Address Listener Registration

draft-ietf-6lo-multicast-registration

Pascal Thubert

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