ARP Mediation & IPLS Updates

draft-ietf-l2vpn-arp-mediation-13
draft-ietf-l2vpn-ipls-09

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ARP-MED History

draft-ietf-l2vpn-arp-mediation-13

• ARP mediation effort started around 2003, currently at the 13\textsuperscript{th} revision.
• IPv4-only version WG Last Called a few years ago
• Last sticking point was lack of IPv6 support
• Mathew/Andrew/Neil from Alcatel-Lucent provided considerable text for IPv6 and updated draft was presented in March’09 IETF74, slides attached, FYI.
• Multiple implementations exist (some deployed)
• Most aspects of the IPv4 portions of the draft have been reviewed several times, \textit{but still need reviews of IPv6 portions}
Current Status of ARP-MED

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• Last few revs dealt with the IANA code point overlap
• ARP-mediation draft originally used 0x2C LDP status code point and had implementations
• Turned out, the L2VPN-Signaling used the same code point (0x2C) and had IANA pre-allocation, but no implementations
• A 3rd-draft, LDP capabilities, mistakenly used same code point (0x2C), had implementations but that draft was wrong, because IANA assigned 0x2E.
• All the overlaps are sorted out and ARP-mediation has permission to use code point 0x2C for LDP status.
• *Need draft to get to IESG queue ASAP for this change to stick*
ARP-MED Conclusion

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• Authors request WG Last call right after this meeting on {draft-ietf-l2vpn-arp-mediation-13}

• Call for volunteers to review IPv6 changes to ARP-MED draft

• Please be diligent in reviewing the changes

Thank you!
IPLS (IP-Only LAN Service)
draft-ietf-l2vpn-ipls-09

• IPLS draft has followed progress of ARP-MED draft
• Changes to support IPv6 in ARP-MED draft have been ported to IPLS
• Authors believe IPLS is now complete!
IPLS Conclusions
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• Authors request WG Last call right after this meeting on draft-ietf-l2vpn-ipls-09

• Call for volunteers to review IPv6 changes to IPLS draft

• Please be diligent in reviewing the changes

Thank you!