

LSP Ping extensions for echo reply relay

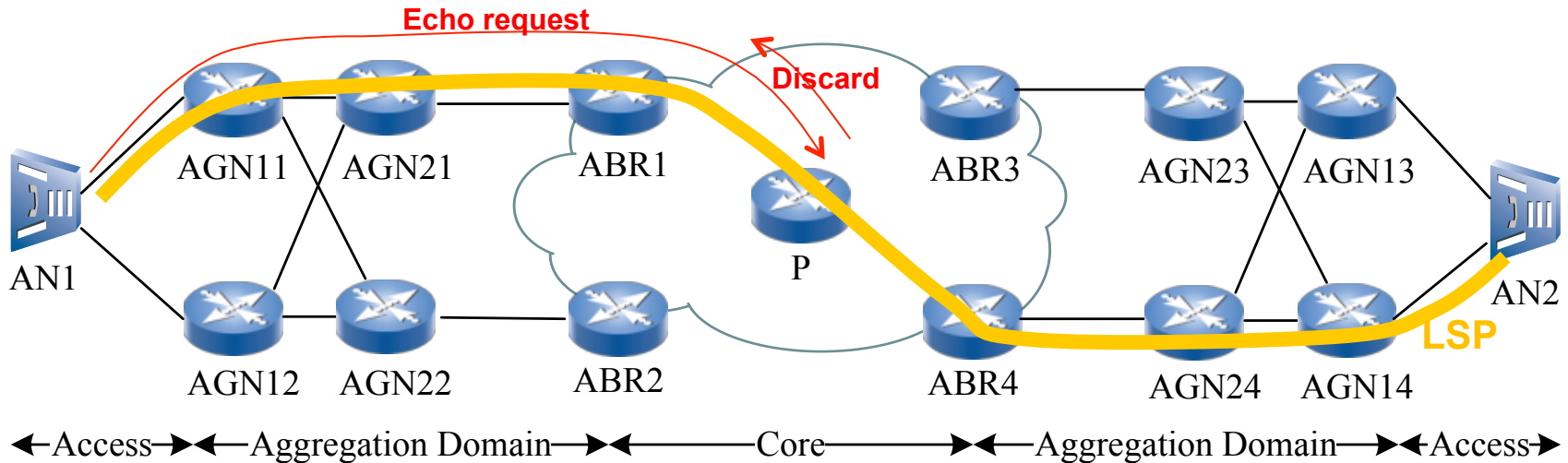
draft-zj-mpls-lsp-ping-reply-relay-00

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Motivation

Inter-area scenario in Seamless MPLS

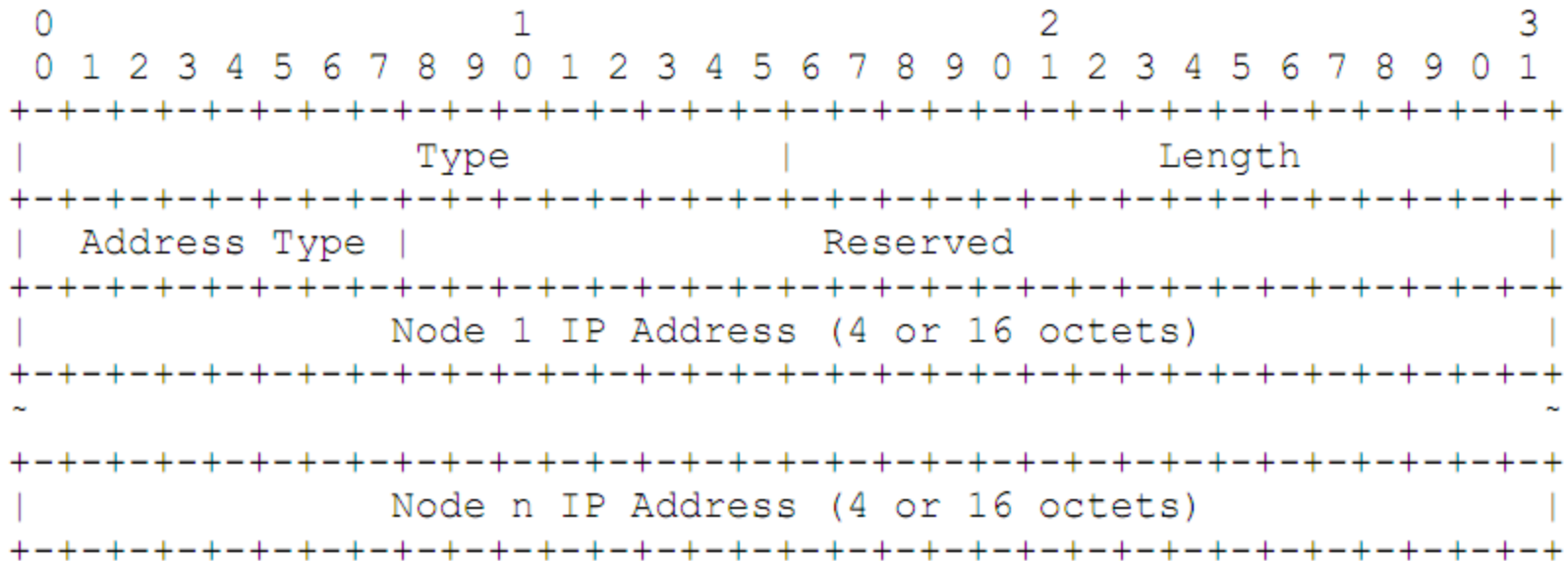


- P nodes would be unable to respond for the lack of IP reachable route to ANs.
- draft-ietf-mpls-interas-lspping addresses similar problem, but only for inter-AS scenarios.
- Better to have a generic solution.

Introduction

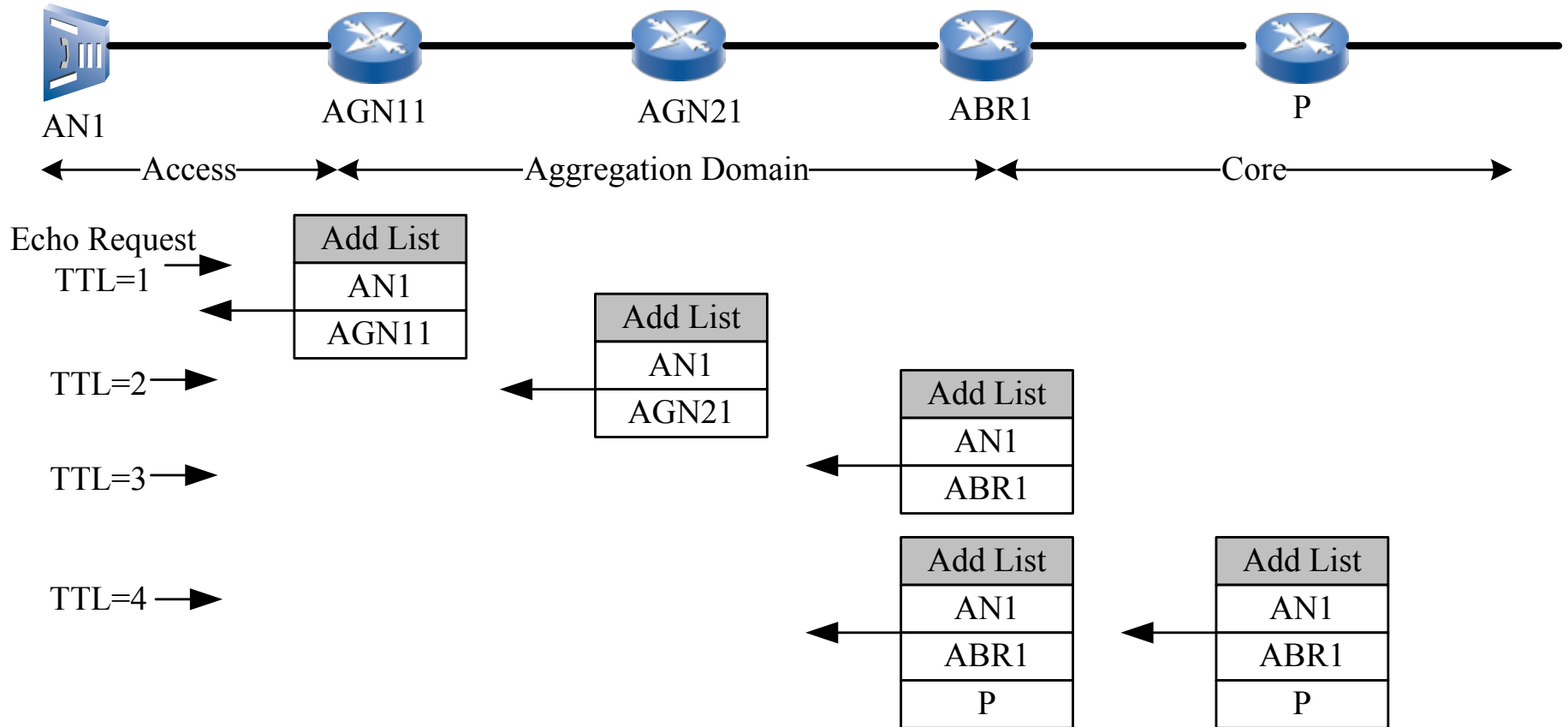
- Extends a new Routable Relay Node Address TLV for the LSP Ping mechanism.
- The replying LSR would send the echo reply to a routable node indicated by the new TLV.
- The echo reply would be relayed to the initiator finally.

Routable Relay Node Address TLV



- Carried in echo request and echo reply message

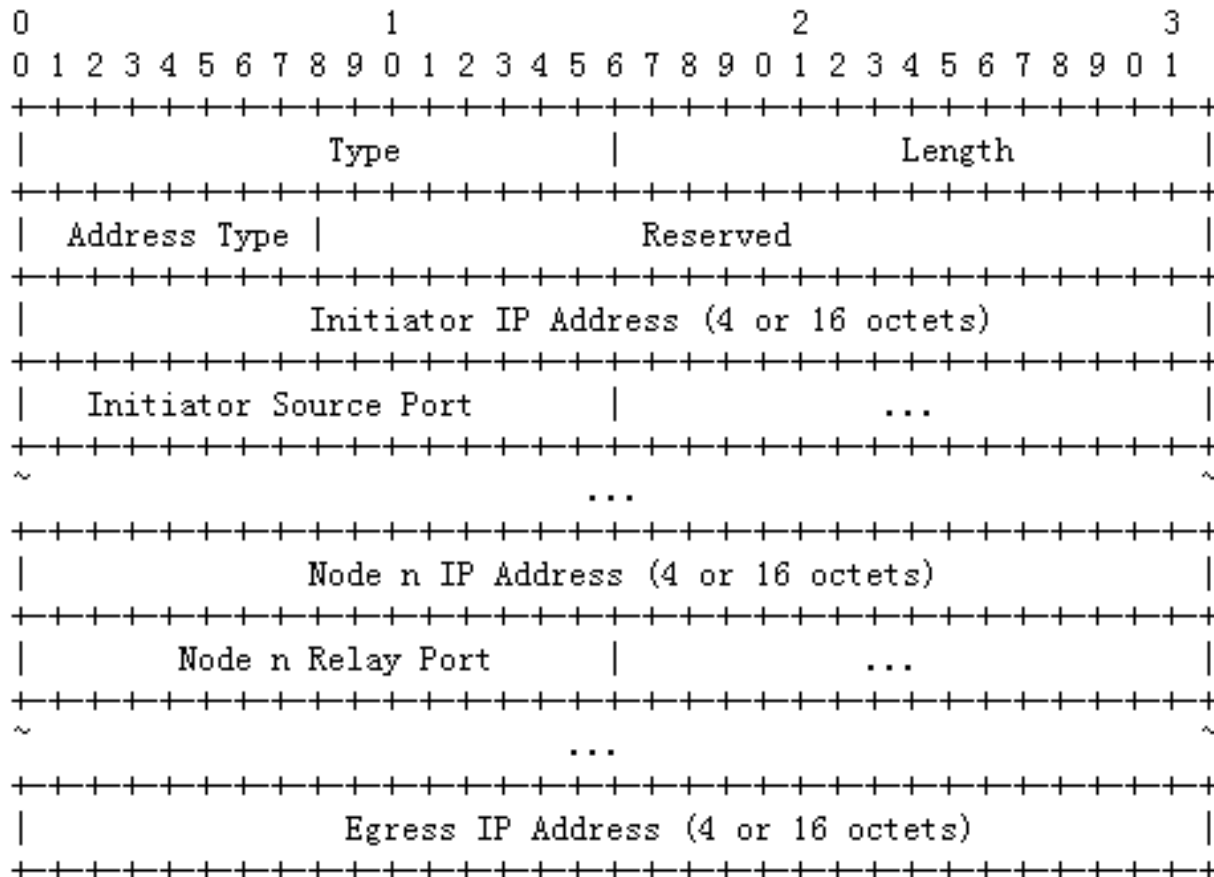
An Example



- The echo reply sent by P would be relayed by ABR1, then to AN1.

Next Steps

- Updated to version-01
 - addresses the UDP port issue



Next Steps

- Updated to version-01
 - adds the Security Considerations
- Merged with draft-ietf-mpls-interas-lspping?
- Seeking feedback from WG