

RSVP-TE Extensions to Establish Associated Bidirectional LSP

CCAMP/MPLS WG, IETF 80th, Prague

[draft-zhang-mpls-tp-rsvpte-ext-associated-lsp-04](#)

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Changes from last meeting

- Add one section to address [the single and double sided provisioning model](#)
- [Reverse_TSPEC](#) object is defined to address the association of asymmetric bandwidth LSPs
- Address the scenarios of [recovery](#)
- Keep alignment with [[draft-ietf-ccamp-assoc-info](#)] and [[draft-ietf-mpls-tp-identifiers](#)]

Single Sided Provisioning Model

■ LSP2 is triggered by LSP1

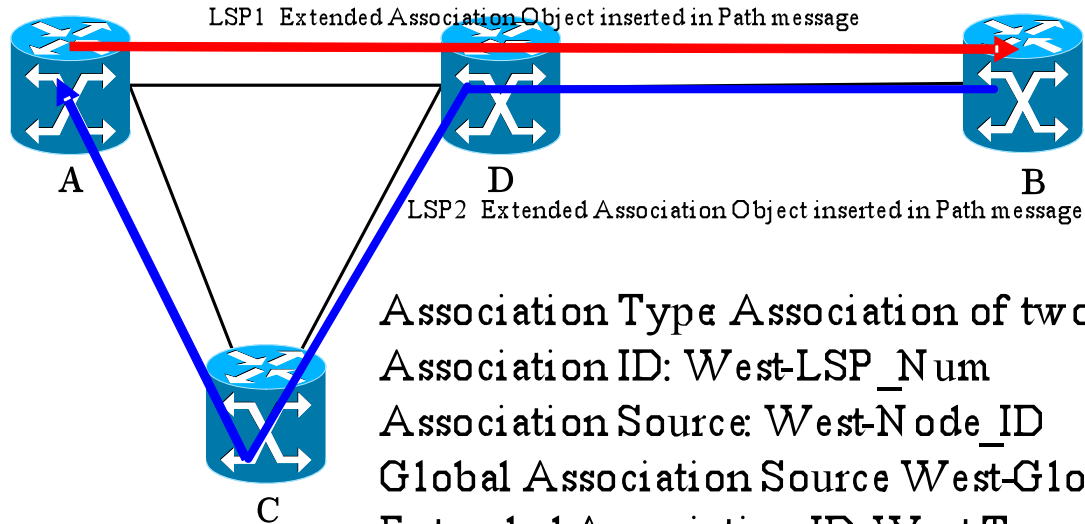
Association Type Association of two reverse unidirectional LSPs

Association ID: West-LSP_Num

Association Source: West-Node_ID

Global Association Source West-Global_ID

Extended Association ID: West-Tunnel_Num



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Doubled Sided Provisioning Model

- LSP1/2 are signaled concurrently

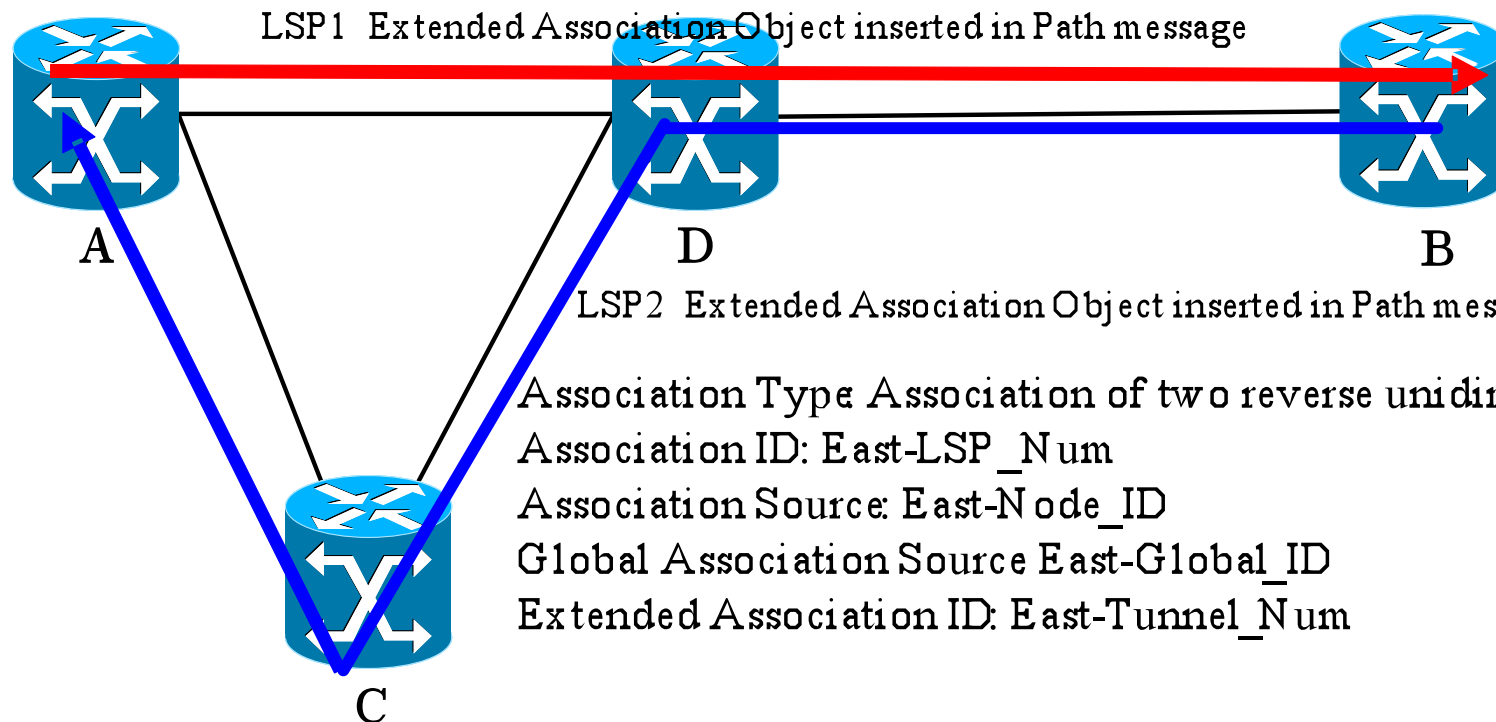
Association Type: Association of two reverse unidirectional LSPs

Association ID: East-LSP_Num

Association Source: East-Node_ID

Global Association Source: East-Global_ID

Extended Association ID: East-Tunnel_Num



Association of Asymmetric Bandwidth LSPs

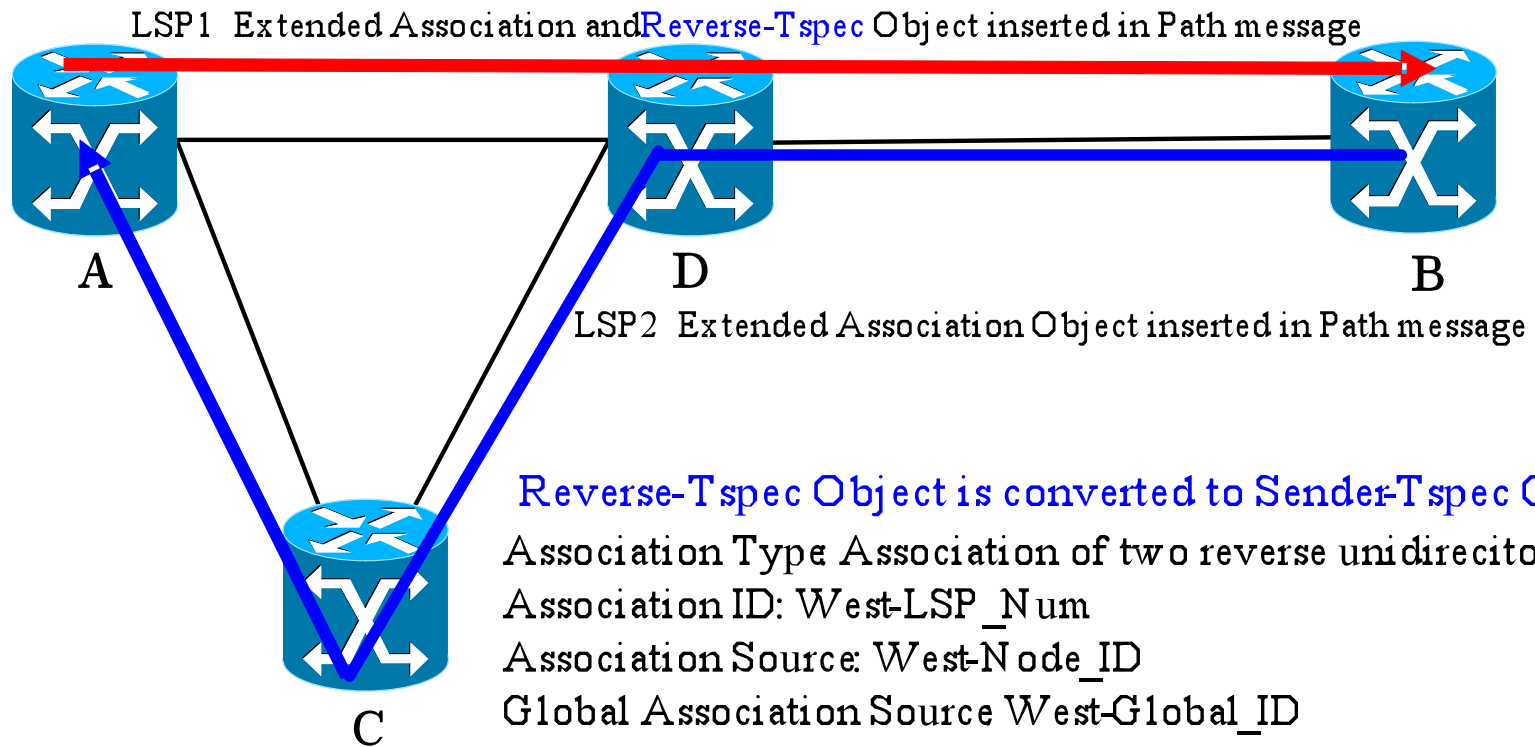
Association Type Association of two reverse unidirectional LSPs

Association ID: West-LSP_Num

Association Source: West-Node_ID

Global Association Source West-Global_ID

Extended Association ID: West-Tunnel_Num



Reverse-Tspec Object is converted to Sender-Tspec Object

Association Type Association of two reverse unidirectional LSPs

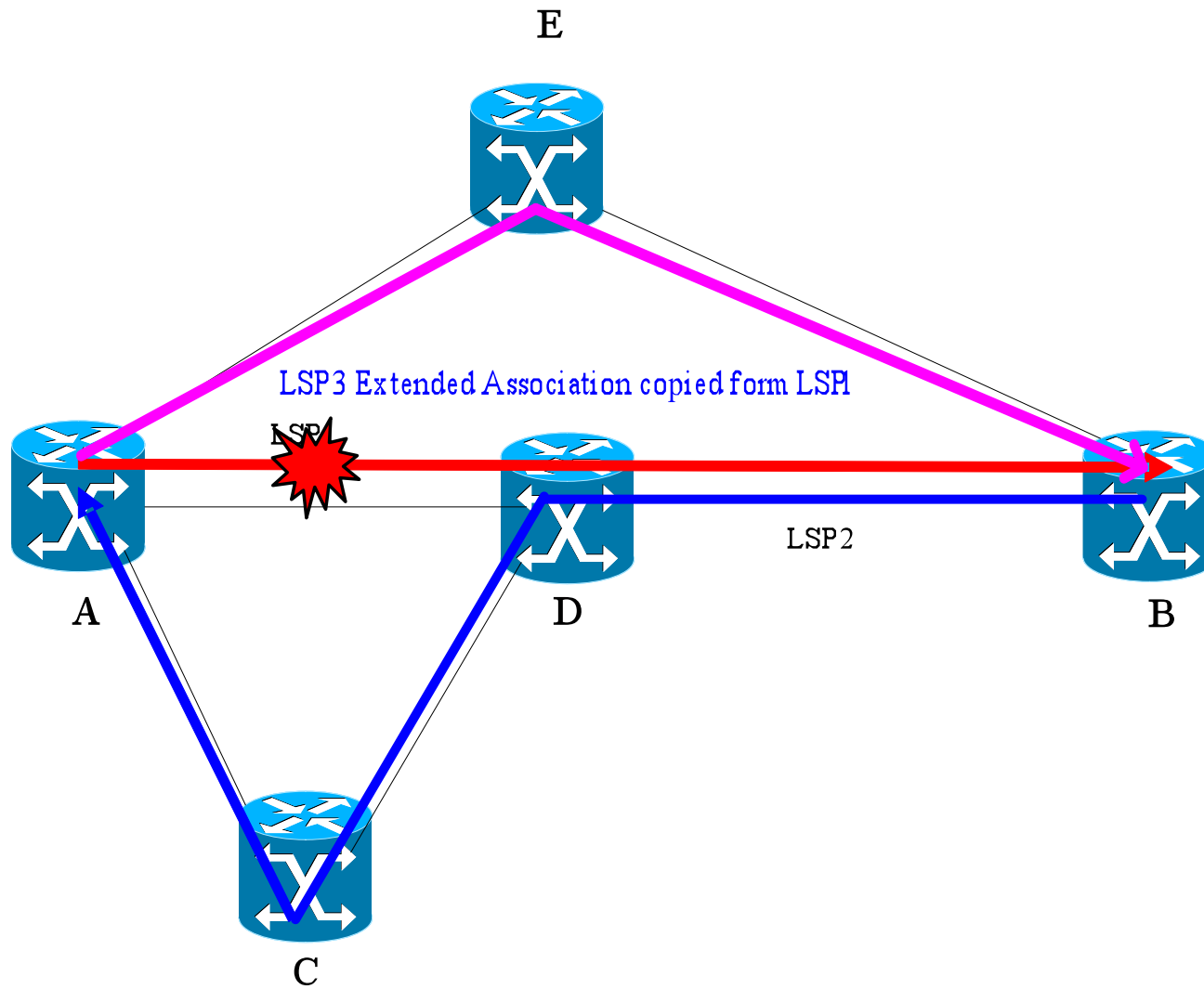
Association ID: West-LSP_Num

Association Source: West-Node_ID

Global Association Source West-Global_ID

Extended Association ID: West-Tunnel_Num

Recovery



Next Steps

- Comments/Feedback?
- Adopted as a WG document 😊