

Enabling MAC tunneling over HARQ in 802.16j

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Purpose:

Propose to adopt the mechanism described herein into IEEE 802.16j to enable MAC tunneling over HARQ.

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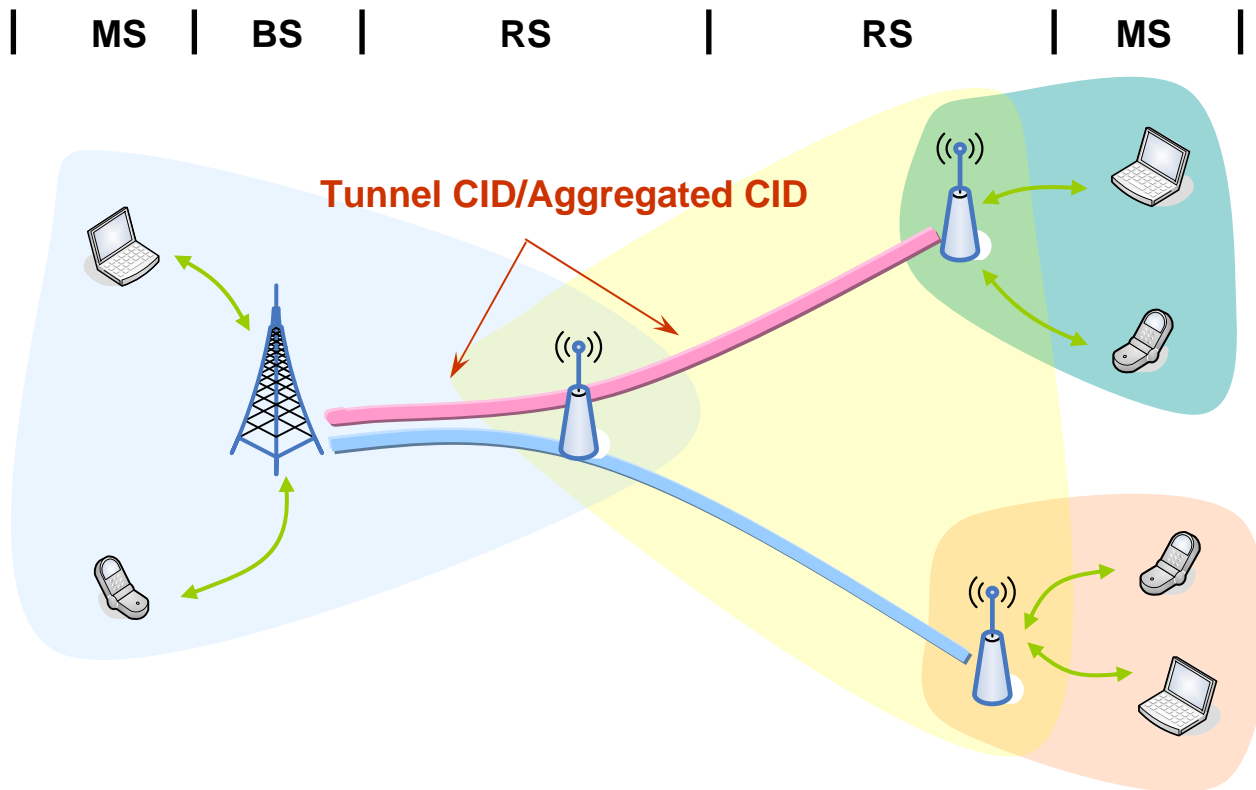
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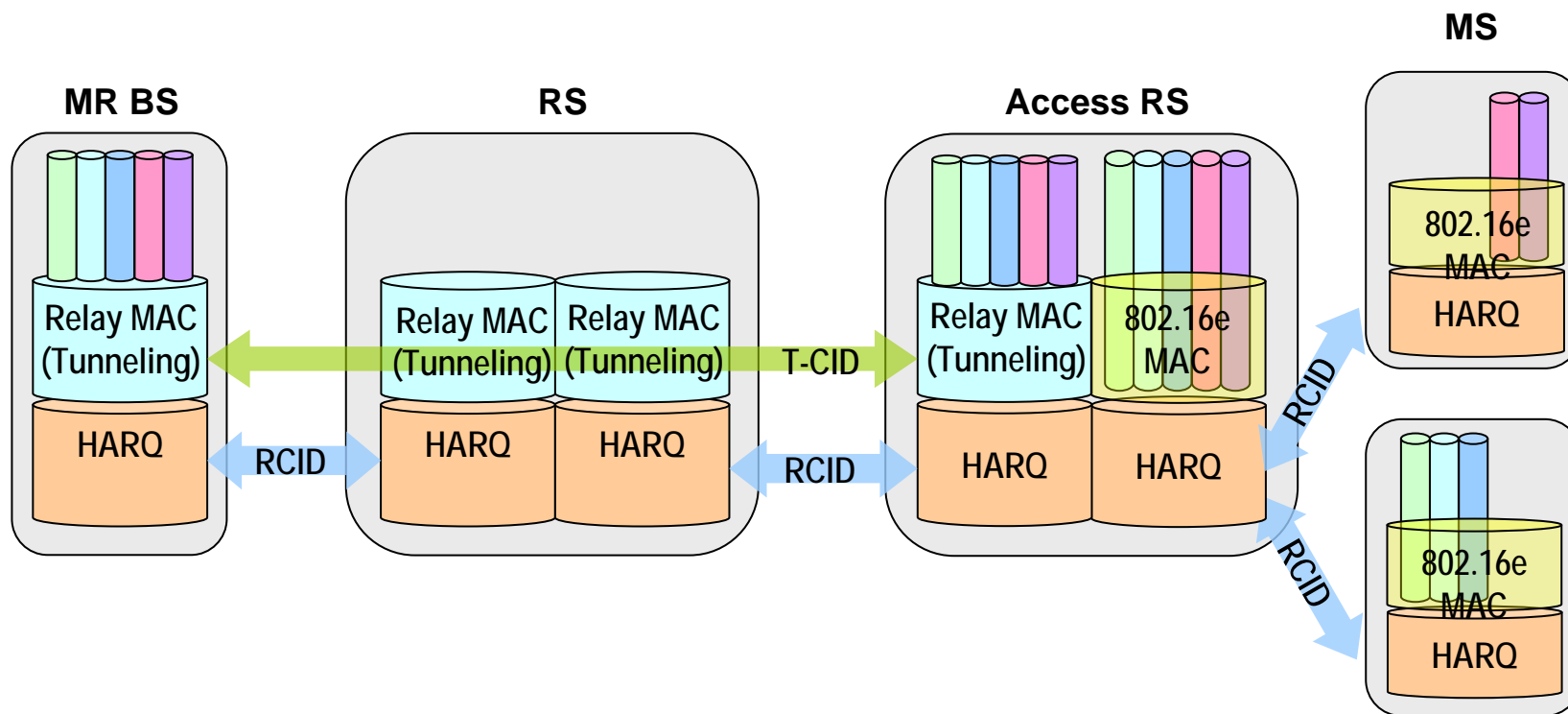
Key proposals

- Use MAC tunnel CID (T-CID) in HARQ operation
- Use MAC tunnel header and PDU SN extended subheader to address the out-of-order delivery problem in HARQ.



Enabling MAC Tunneling over HARQ

- Tunnel Connection is uniquely identified by a T-CID (Tunnel CID)
- *When handled by HARQ, a proper form of T-CID should be placed in the RCID_IE field for the corresponding HARQ sub-burst.*



Enabling MAC Tunneling over HARQ

- *Append tunnel MAC header and insert PDU Sequence Number (SN) extended subheader for HARQ MAC PDU to address the out-of-order delivery.*

