

MIPv6 RAW mobility

draft-bernardos-detnet-raw-mobility-00

IETF 118 – DetNet WG

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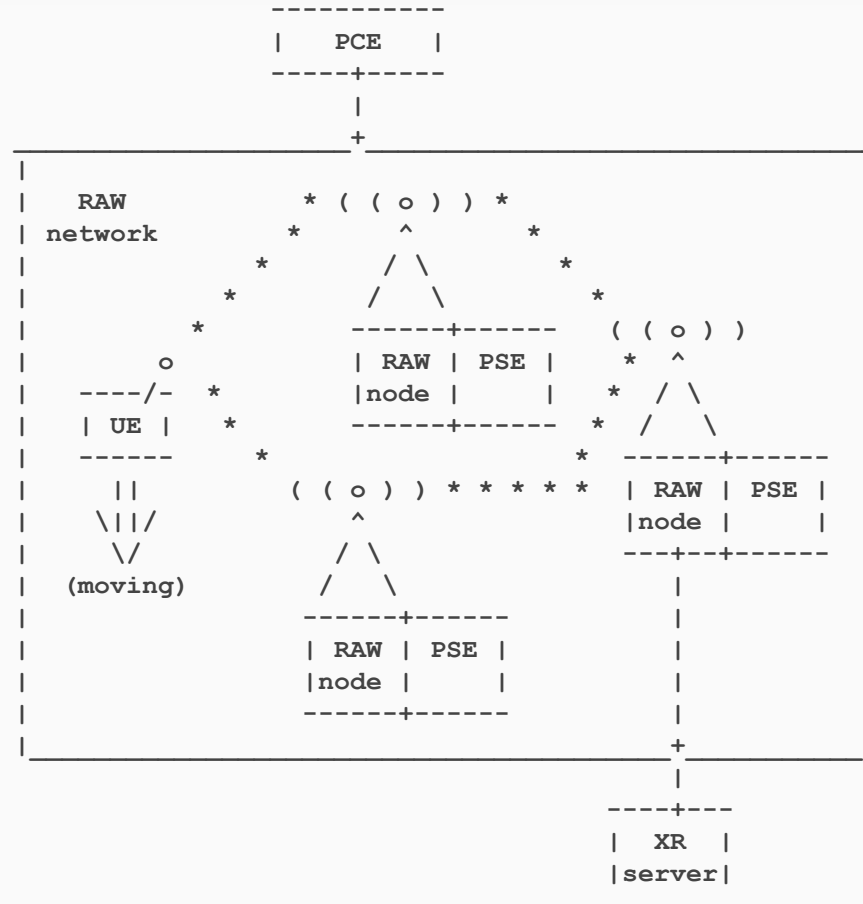
Aim and scope

- There are use cases where reliability and availability are key requirements for wireless heterogeneous networks in which connected devices might be mobile
- Goals:
 - Discuss and specify control plane solutions to cope with mobility, by proactively preparing the network for the change of point of attachment of a connected mobile node
 - Explore Mobile IPv6 extensions implementing these control plane solutions

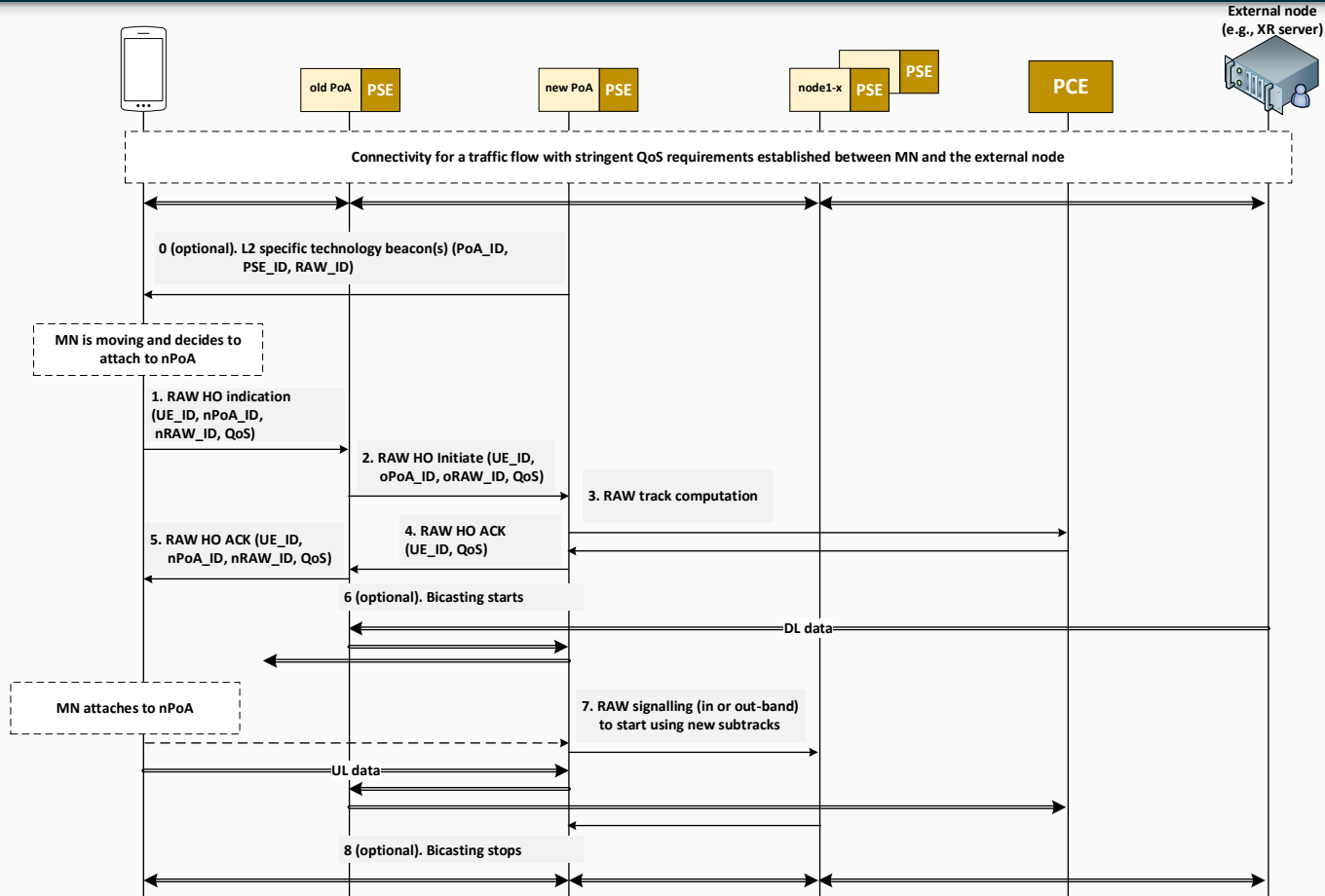
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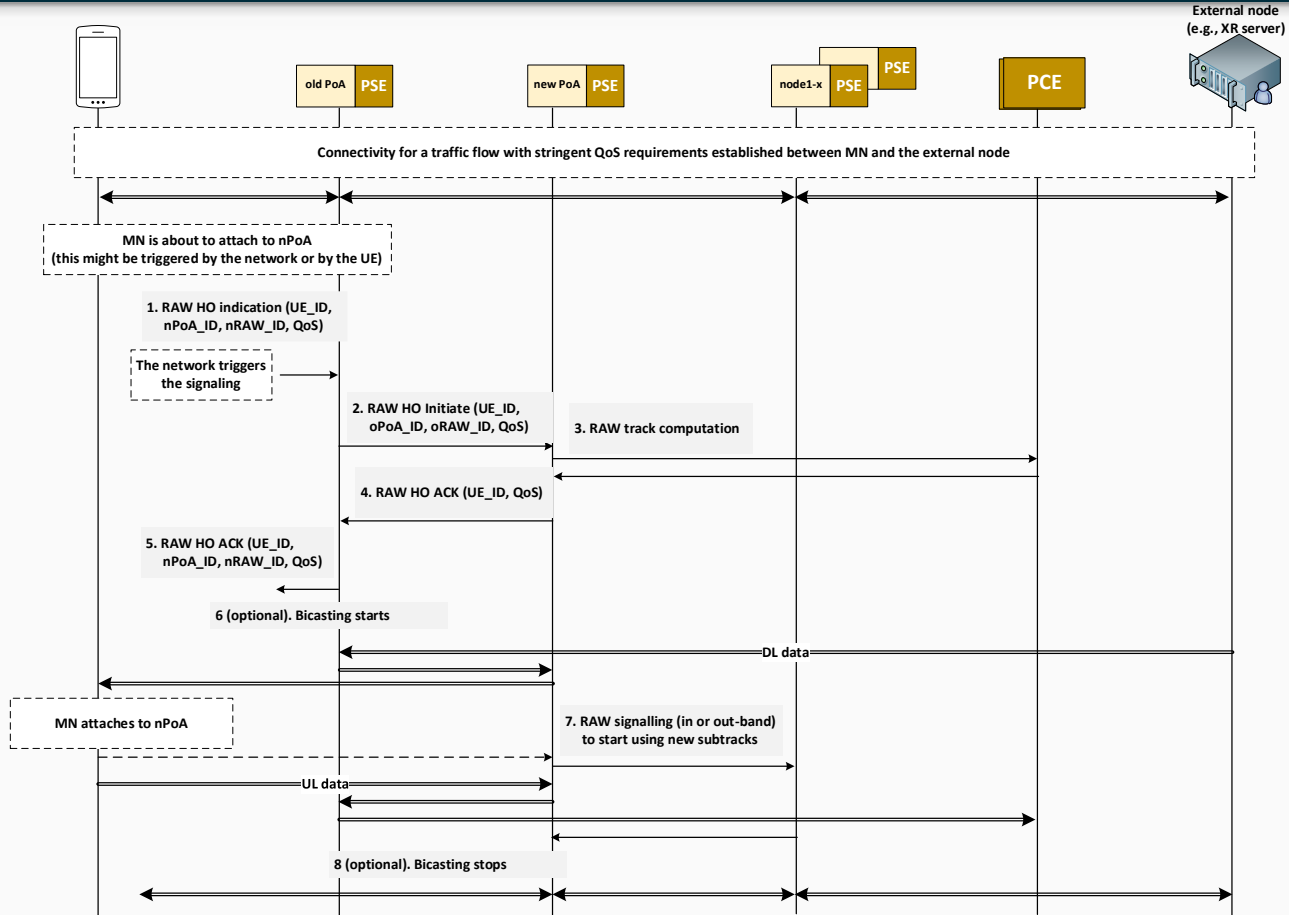
Example scenario



UE-controlled RAW-enabled mobility

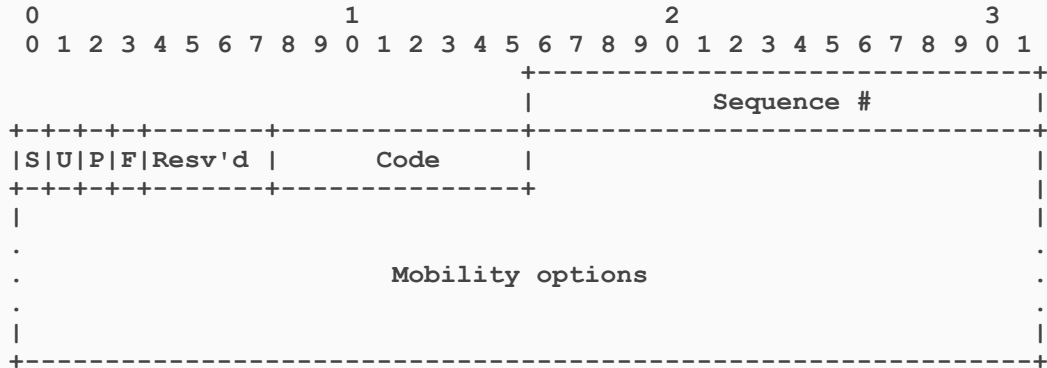


Network-controlled RAW-enabled mobility

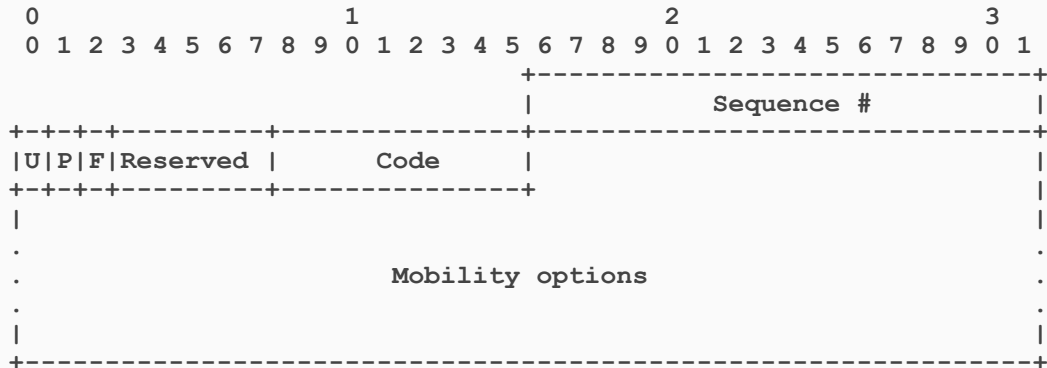


Proxy Mobile IPv6 extensions

- RAW HO Initiate



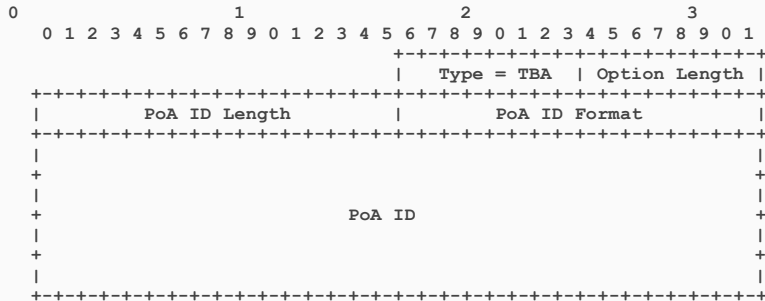
- RAW HO ACK



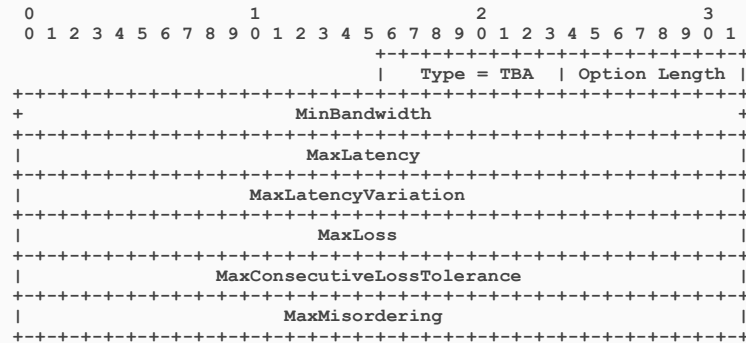
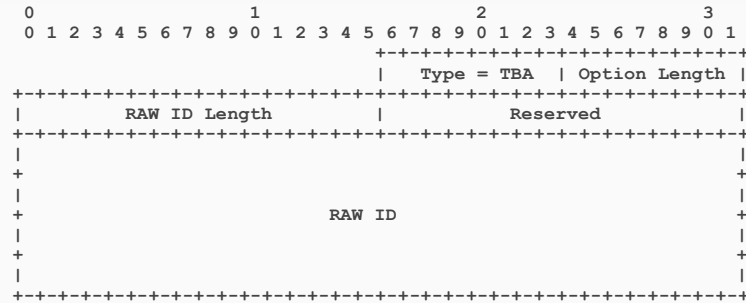
Proxy Mobile IPv6 extensions

- New mobility options
 - RAW_ID mobility option

- PoA_ID mobility option



- RAW QoS mobility option



Summary and next steps

- Work presented in the RAW and DMM WGs
 - Good feedback, but it was early to look on extensions in the RAW WG
- Is there interest in working on this in the WG?
 - New protocol work might be needed
 - Does this type of work belong to DMM WG?
- Please share your comments on the ML!

Acknowledgements

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