

MN Agnostic Fast Handover for Proxy Mobile IPv6

draft-xia-netlmm-fmip-mnagno-01.txt

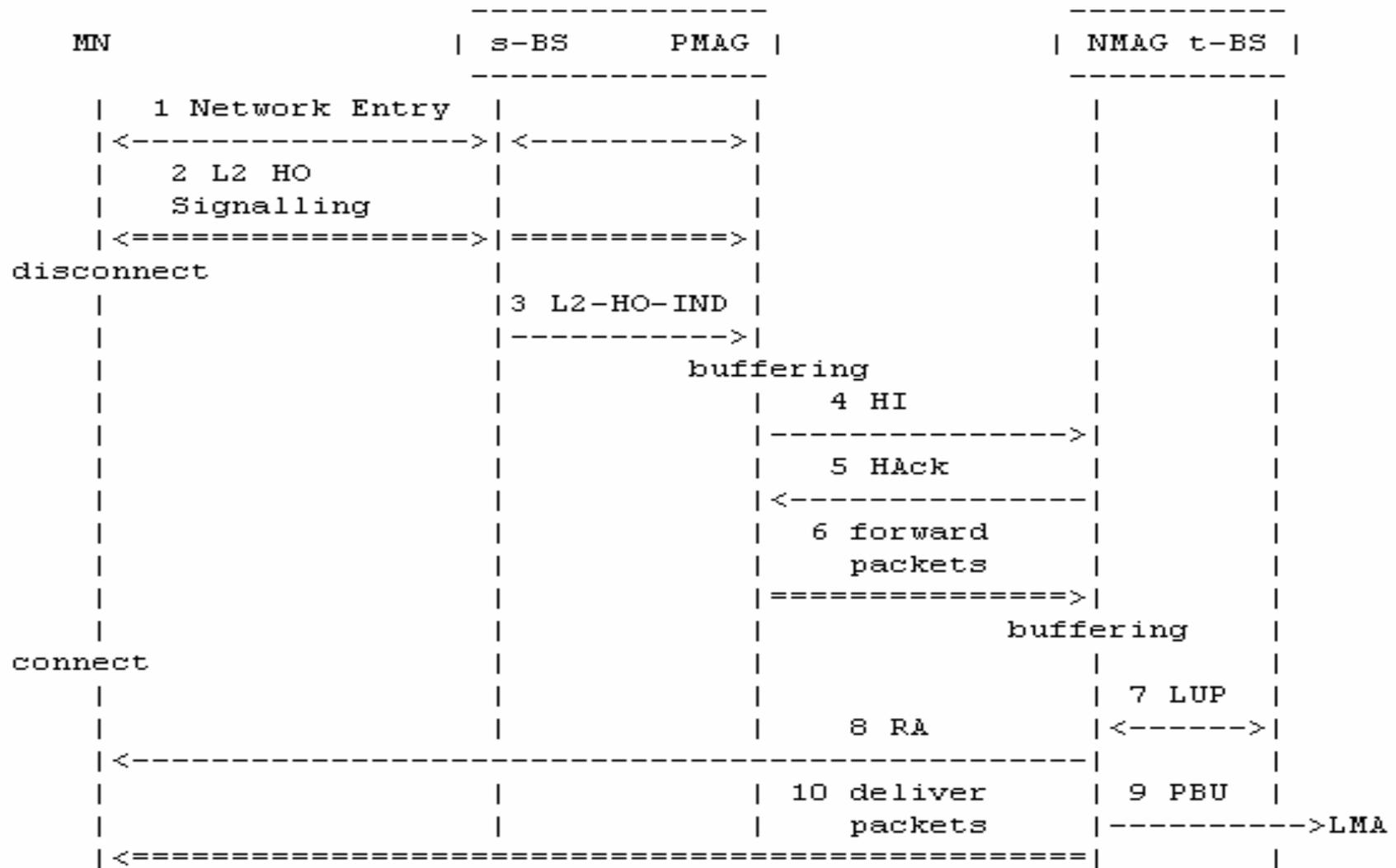
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Main Ideas in the proposal

- **Mobile Node Agnostic Fast Handover**
- **Temporary Data Tunnel between Previous MAG and New MAG**
- **Context transfer**
 - **For expediting IP connectivity**
 - **Context as per the base draft draft-ietf-netlmm-proxymip6**
- **Layer 2 dependence is abstract**

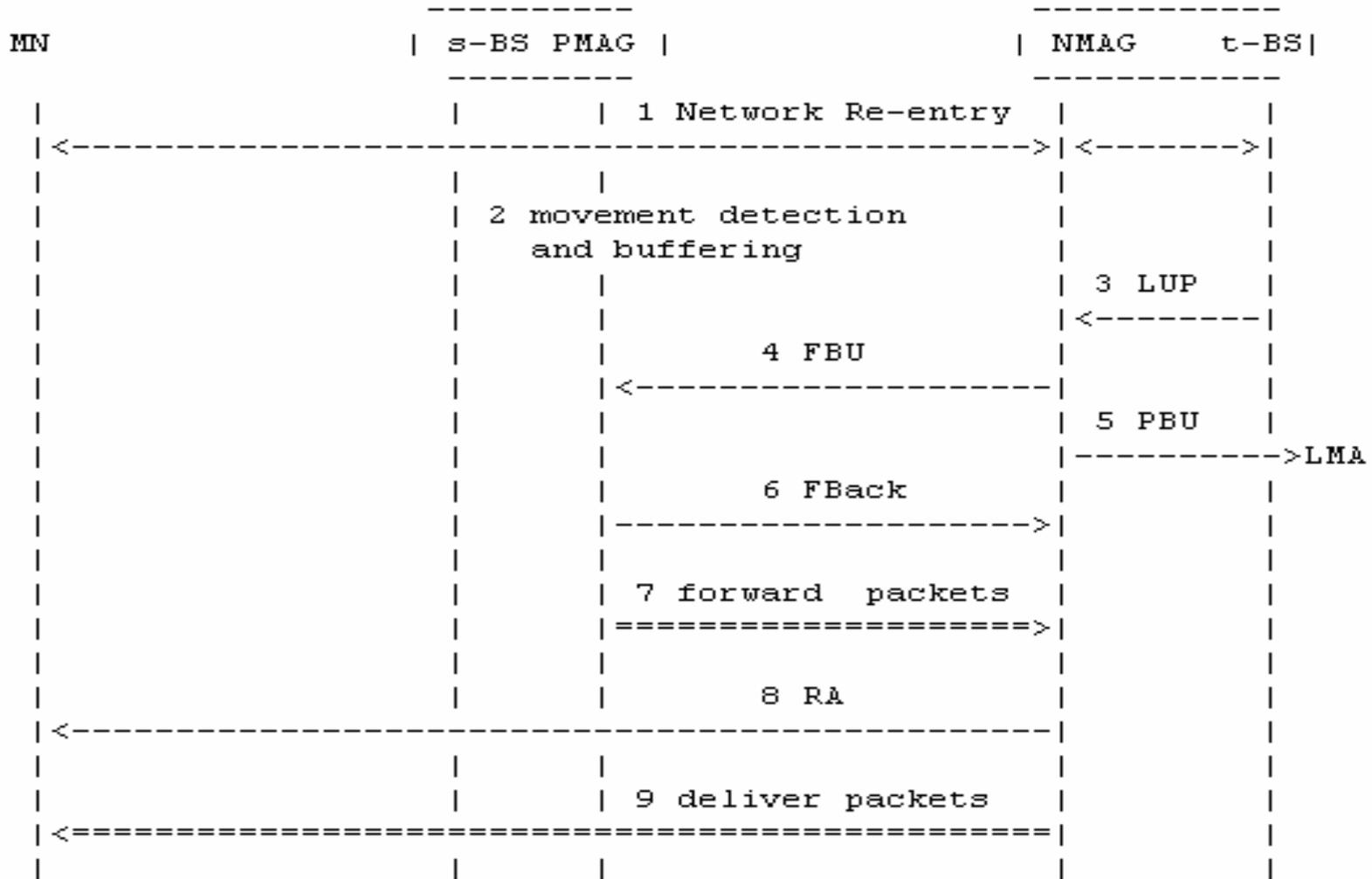
Predictive Flow



Main Steps for Predictive Mode

- **L2 event of Network side triggers Fast Handover Procedure (FMIPv6)**
- **HI/Hack exchange builds bi-directional tunnel between Previous MAG and New MAG. Proxy-CoAs of PMAG and NMAC are tunnel's two ends respectively.**
- **Packets are buffered in previous MAG and new MAG during handover.**
- **Packets are tunneled through temporary tunnel before new proxy binding update.**
- **Context is transferred using HI message to accelerate IP connectivity establishment in new MAG**

Reactive flow



Main Steps for Reactive Mode

- **Movement detection and packet buffering are essential in reactive case**
- **FBU/FBack exchange (adopted from FMIPv6) is used for establishing bi-directional tunnel**
- **FBU is used for fetching context information from previous MAG**
- **PBU is sent to LMA in parallel with the temporary tunnel establishment**

Make it a WG document?

Thank You.
Questions?