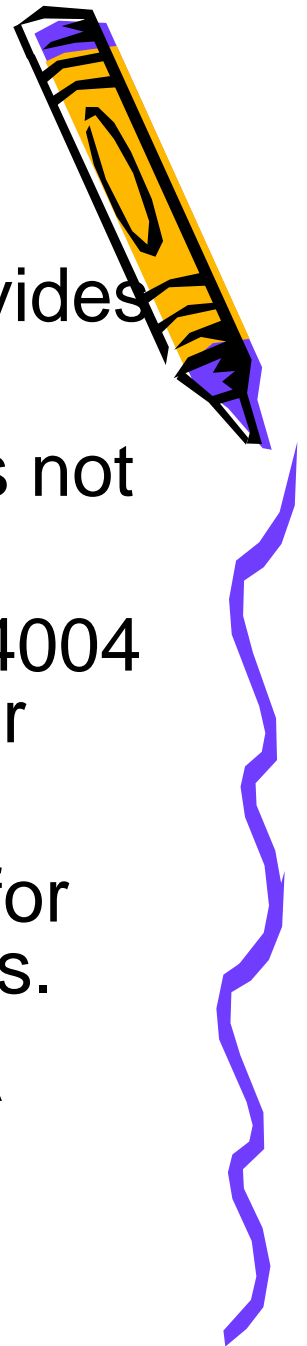# Diameter MIP4 Application, Another Approach

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Background & What's New

- Diameter MIPv4 Application, [RFC4004], provides user AAA and MSA Allocation.

- RFC4004 use nonce per RFC3957 BUT does not rely on Access Auth. for MIP4 MSA allocation

- Initial MIP4 RRQ/RRP are coupled with RFC4004 Diameter MIP4 Application signaling to deliver initial RRQ/ RRP to HA/FA.

- 3GPP2 & WiMAX 4G architectures use EAP for Access Auth. & MIP4 session keys derivations.

- HA in 3GPP2 & WiMAX need to fetch MN-HA secret key to process MIP4 registration.

Conclusion & Recommendation

- 3GPP2 & WiMAX adopted Diameter Protocol for AAA & MSA allocation.

- 3GPP2 & WiMAX need a new MIP4 Application.

- New Diameter MIP4 Application must support two new messages between HA & HAAA for MIP4 authorization & MN-HA, FA-HA MSA allocation and can use attributes from RFC4004.

Can we approve the need for a new Diameter MIP4 Application and update DIME charter?

(**3**)

Thank You!