Early Binding Updates for Mobile IPv6

<draft-vogt-mip6-early-binding-updates-00.txt>

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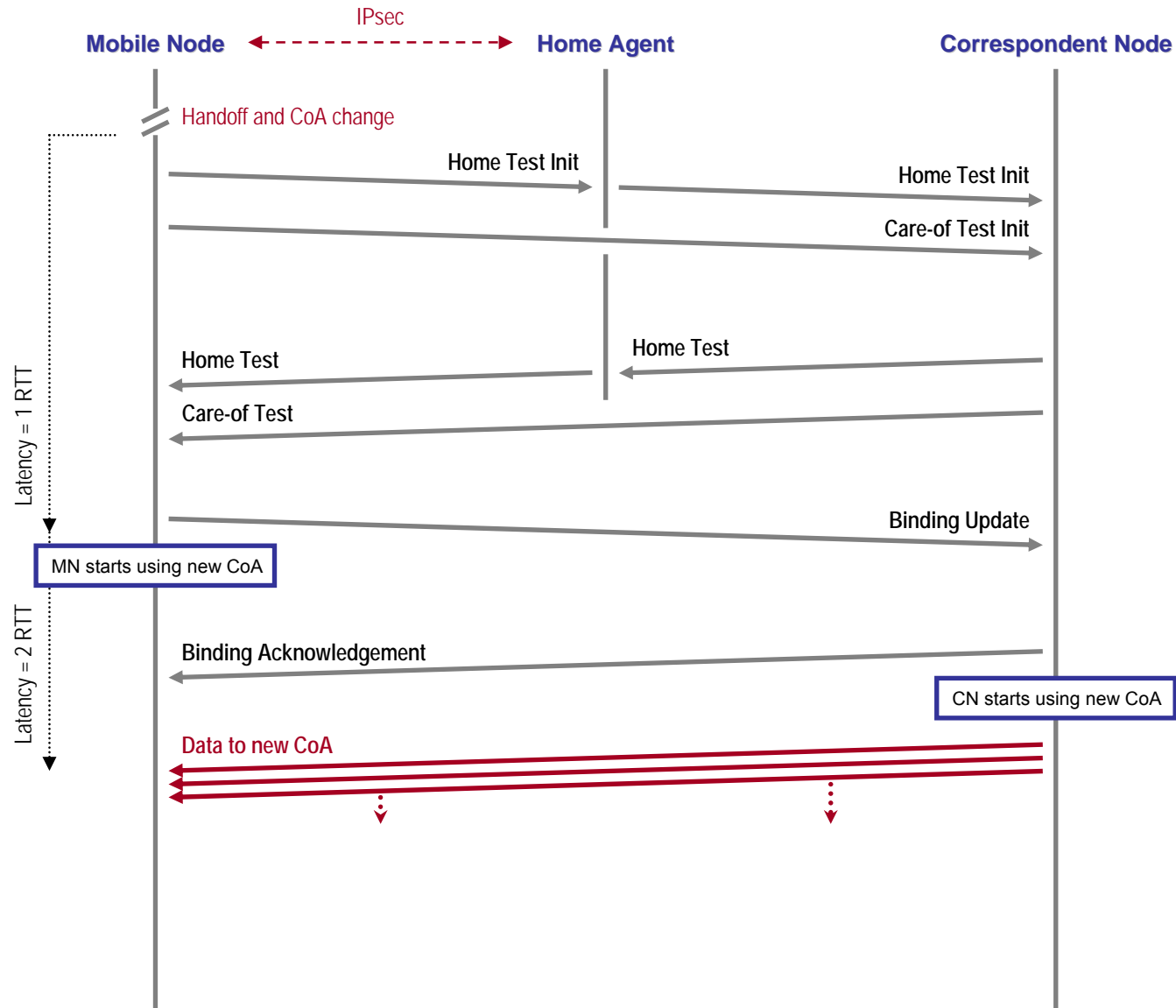**Tobias Küfner**
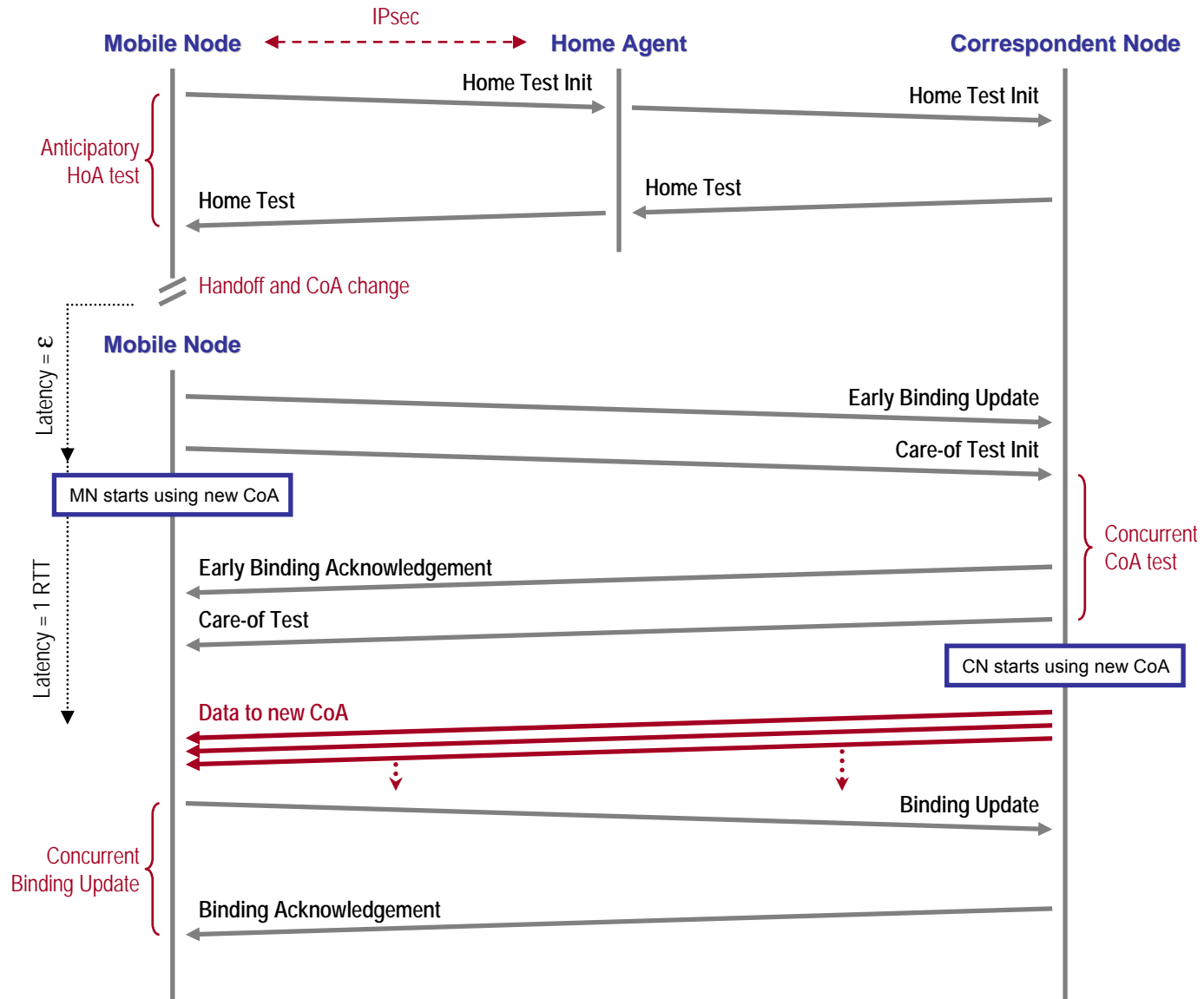
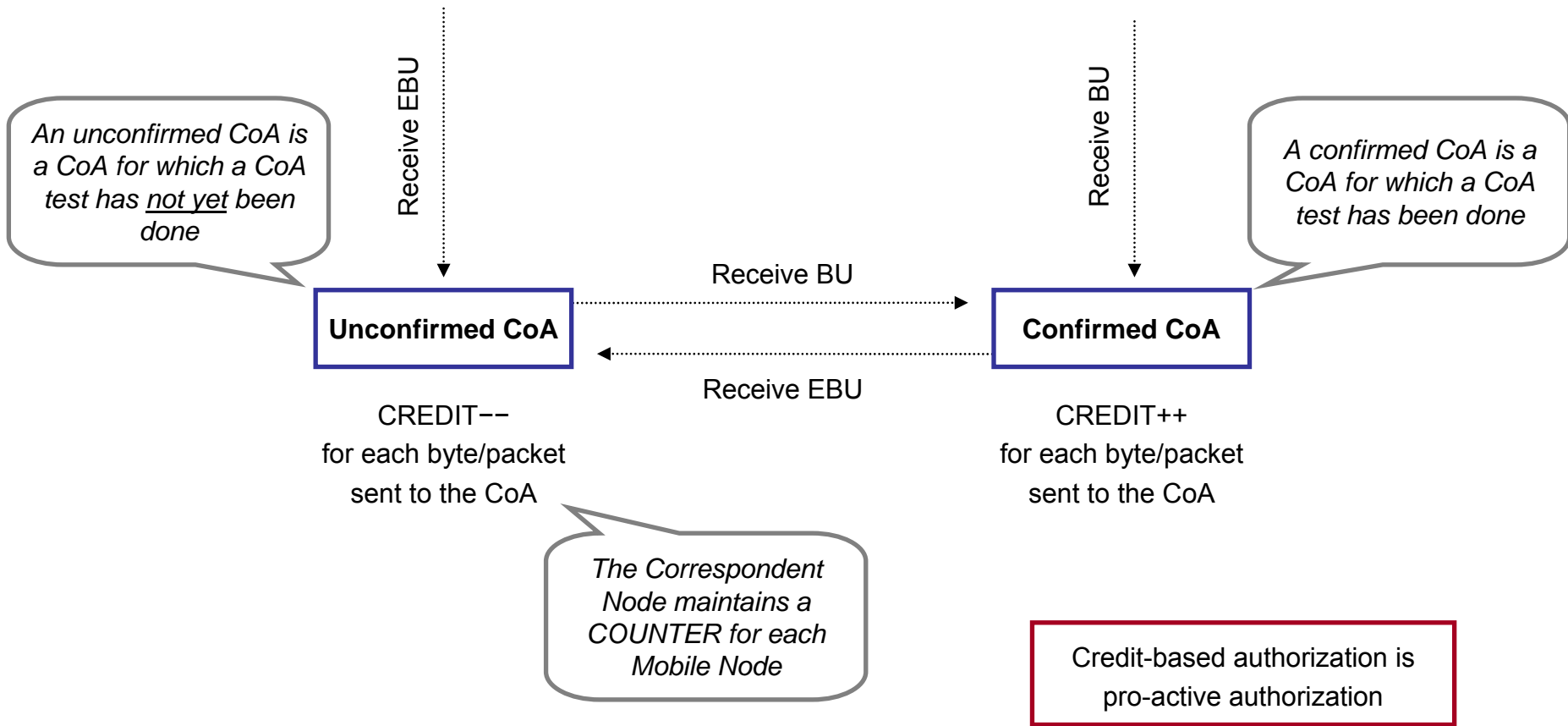**59th IETF Meeting, Seoul, South Korea**

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Standard Binding Updates <draft-ietf-mobileip-ipv6-24.txt>

Early Binding Updates <draft-vogt-mip6-early-binding-updates-00.txt>

Credit-Based Authorization

How can misuse of Early Binding Updates for flooding attacks be discouraged?
Here is a credit-based approach, balancing what the MN is given with what the MN spends.

Receive EBU

Receive BU

An unconfirmed CoA is a CoA for which a CoA test has <u>not yet</u> been done

A confirmed CoA is a CoA for which a CoA test has been done

Receive BU →

Unconfirmed CoA   ← Receive EBU   **Confirmed CoA**

CREDIT−−
for each byte/packet
sent to the CoA

CREDIT++
for each byte/packet
sent to the CoA

The Correspondent Node maintains a COUNTER for each Mobile Node

Credit-based authorization is
pro-active authorization

<draft-vogt-mip6-early-binding-updates-<u>01</u>.txt> (to be published soon)