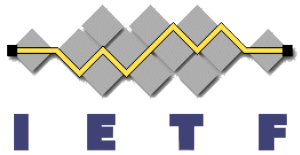
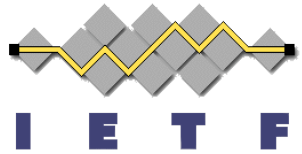
MIP4 WG
IETF-76

MIP4 Delivery and Handling of MCBC

draft-chakrabarti-mip4-mcbc-04



WG Charter

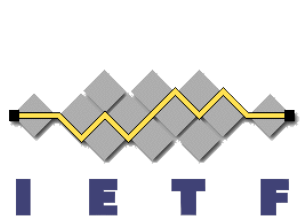


- As per the current charter (dated August 18, 09):

"9. Support for multicast and broadcast packets in Mobile IPv4 as specified in RFC 3024 currently requires encapsulated delivery style for all packets. This leads to inefficiencies on the MN-to-FA link because even unicast packets must be encapsulated. Eliminating this inefficiency is possible if there is a mechanism to negotiate a mode of operation where only multicast/broadcast packets are encapsulated, while unicast packets can use direct delivery style. The WG will take on a draft to solve this problem and publish as a Proposed Standard."

- Apr 2010 Multiple/Broadcast delivery style (Proposed Std.) to IESG

Proposal



- Multicast-Broadcast Encapsulating Delivery (MBED) style
  - Encapsulates MC/BC packets from MN to FA for reverse tunnelling to HA
  - Unicast packets are direct delivered between MN and FA, NO overhead!
- MBED style extends RFC3024 encapsulating delivery style
- Link-layer assisted delivery style for links of a point-to-point nature can be used.
- MBED encapsulating extension
  - TLV structure; allows different delivery styles
  - Backward Compatible with RFC3024 encapsulating Delivery Style

Way forward

- I-D: draft-chakrabarti-mip4-mcbc-04 was presented to the WG at IETF75 and obtained consensus at the meeting to progress it

- Request consideration of the I-D as WG baseline document and solution for the milestone in the charter