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| Project | **IEEE 802.21 MIHS**  **<**[**http://www.ieee802.org/21/**](http://www.ieee802.org/21/)**>** | |
| Title | **Proposed remedy for SB Comment i-108, i-110, i-111, and i-112** | |
| DCN | **21-14-0153-00-MuGM** | |
| Date Submitted | **October 06, 2014** | |
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| Re: | IEEE 802.21d Sponsor Ballot comment resolution | |
| Abstract | This document describes a proposed remedy for SB comment i-108, i-110, i-111, and i-112. | |
| Purpose | For Sponsor Ballot Comment Resolution | |
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# Comments

# Comment i-108 (p32, Clause 8.2.2)

"In all cases, the MIH protocol message in a transaction is processed only once at the destination MIH node irrespective of the number of received messages with the ACK-Req bit set. ." Does this mean that if the receive node receives a message with same message id and transaction id, the node will not process it anymore? If this is true, what is the purpose of sending node retransmitting message with ACK-bit.

Remedy:

" The destination MIH node responds with an acknowledgement message for duplicate MIH messages (messages with same message id and transaction-ID) that have the ACK-Req bit set. However, the destination MIH node does not process these duplicate messages if it has already done so. If a destination MIH node receives an MIH protocol message with no ACK-Req bit set, then no action is taken with respect to the

acknowledgement service.

In all other cases, the MIH protocol message in a transaction is processed only once at the destination MIH node, irrespective of the number of received messages with the ACK-Req bit set. The destination MIH node sets the ACK-Rsp bit in an MIH protocol response message and additionally requests acknowledgement by setting the ACK-Req bit for the same MIH protocol response message.”

# Comment i-110 (p33, Clause 8.2.4.3.4), i-111 (p 34, 8.3.1) , i-112 (P 34. 8.3.1)

Do we have a way to indicate or configure in an implementation that an MIHF is in a network node rather than in an end node? If this is not specified, how will this capability be achieved?

Remedy:

An MIHF (the requestor) discovers its peer MIH functions and capabilities by sending an

MIH\_Capability\_Discover request message to either its network multicast address with an MIHF Group ID or to a unicast address with a known MIHF ID. Network multicast address is used when the requester is either a mobile node (MN) or a network entity that does not have the destination MIHF ID. Only MIH network entities responds to a multicast MIH\_Capability\_Discover request.

# Comment i-111 (p 34, 8.3.1)

"Multicast transmission is not allowed for MIES". Again I am wondering how an implementation will follow this if the transaction state machine does not add this as a condition.

Remedy:

Multicast transmission is not allowed for MIES. No MIES primitive shall be generated with the destination MIHF Group ID.

# Comment i-112 (P 34. 8.3.1)

"Multicast transmission in general is not allowed for messages sent by the MN." - Again how will we enforce this in implementation unless we specify the rule how to configure a network and an MN node.

Remedy:

Multicast transmission is not allowed for messages sent by the MN except for MIH capability discover request message.