|  |  |
| --- | --- |
| 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, i-112** |
| DCN | **21-14-0153-00-MuGM** |
| Date Submitted | **October 06, 2014** |
| Source(s) | Subir Das (ACS) |  |
| Re: | IEEE 802.21d Sponsor Ballot comment resolution |
| Abstract | This document describes a proposed remedy for SB comment i-108, i-110, i-111, i-112. |
| Purpose | For Sponsor Ballot Comment Resolution |
| Notice | This document has been prepared to assist the IEEE 802.21 Working Group. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
| Release | The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that IEEE 802.21 may make this contribution public. |
| Patent Policy | The contributor is familiar with IEEE patent policy, as stated in [Section 6 of the IEEE-SA Standards Board bylaws](http://standards.ieee.org/guides/opman/sect6.html#6.3) <[http://standards.ieee.org/guides/bylaws/sect6-7.html#6](http://127.0.0.1:4664/cache?event_id=757737&schema_id=1&s=5X0vID10lu_E6yrIkWkNd4Wz2H8&q=hancock)> and in *Understanding Patent Issues During IEEE Standards Development* <http://standards.ieee.org/board/pat/faq.pdf> |

# 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:

"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 except when a message is received with the same message id and transaction id. ."

# 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, respectively. Network multicast address is used when the requester is a mobile node (MN) and it does not know the destination MIHF ID. In such cases, only MIH network entities respond to a multicast MIH\_Capability\_Discover request while other MNs in the same multicast domain shall ignore this request message.

# 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 the capability discover message.