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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-7** |
| DCN | **21-14-0150-00-MuGM** |
| Date Submitted | **September 30, 2014** |
| Source(s) | Yoshihiro Ohba (Toshiba) |  |
| Re: | IEEE 802.21d Sponsor Ballot comment resolution |
| Abstract | This document describes a proposed remedy for SB comment i-7about MIH\_Configuration\_Update. |
| Purpose | For Sponsor Ballot Comment Resolution |
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# Comment i-7 (p14, 7.4.30)

MIH\_Configuration\_Update currently designed to have .request and .indication primitives, but it would better to define .response and .confirm primitives to allow request - response messaging for configuration update.

1. Proposed resolution

[1] In 7.4.30.1.2, add the following parameter to MIH\_Configuration\_Update.request:

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| ResponseFlag a | RESPONSE\_FLAG | (Optional) Flag that represents whether or not a response is needed. |

a If the ResponseFlag parameter is not present, the MIHF shall generate a request message, otherwise the

MIHF generates either a request or an indication message, based on the ResponseFlag parameter.

[2] Change 7.4.30.1.3 as follows:

**7.4.30.1.3 When generated**

~~The MIH user generates this primitive to update the configuration of one or more MN(s) and/or other~~

~~PoS(es).~~

Upon receipt of this primitive an MIHF shall send an MIH\_Configuration\_Update request or indication message to the destination, based on the ResponseFlag parameter.

[3] In 7.4.30.2.2, add the following parameter to MIH\_Configuration\_Update.indication:

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| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| ResponseFlag a | RESPONSE\_FLAG | (Optional) Flag that represents whether or not a response is needed. |

a If the ResponseFlag parameter is not present, the MIHF shall generate a request message, otherwise the

MIHF generates either a request or an indication message, based on the ResponseFlag parameter.

[4] Change 7.4.30.2.4 as follows:

**7.4.30.2.4 Effect on receipt**

Upon receipt of this primitive, an MIH user on an MN or a PoS may modify its configuration using the

ConfigurationData parameter. If the ResponseFlag parameter is present and its value is TRUE, the MIH User shall generate an MIH\_Configuration\_Update.response primitive.

[5] Add the following sections:

**7.4.30.3 MIH\_Configuration\_Update.response**

**7.4.30.3.1 Function**

This primitive is generated by an MIH User to acknowledge the result of an MIH\_Configuration\_Update

request from a PoS.

**7.4.30.3.2 Semantics of service primitive**

MIH\_Configuration\_Update.response (

DestinationIdentifier,

Status

)

Parameters:

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| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| DestinationIdentifier | MIHF\_ID | Specifies the requestor of the configuration update. |
| Status | STATUS | Status of operation. |

**7.4.30.3.3 When generated**

An MIH User generates this primitive after receipt and processing an MIH\_Configuration\_Update

request.

**7.4.30.3.4 Effect on receipt**

The status of the configuration update operation is noted.

**7.4.30.4 MIH\_Configuration\_Update.confirm**

**7.4.30.4.1 Function**

This primitive is generated by an MIHF that receives an MIH\_Configuration\_Update response to indicate

the status of the configuration update.

**7.4.30.4.2 Semantics of service primitive**

MIH\_Net\_Group\_Manipulate.confirm (

SourceIdentifier,

Status

)

Parameters:

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Description** |
| SourceIdentifier | MIHF\_ID | Specifies the responder of the configuration update. |
| Status | STATUS | Status of operation. |

**7.4.30.4.3 When generated**

An MIH User generates this primitive after receipt and processing an MIH\_Configuration\_Update request.

**7.4.32.4.4 Effect on receipt**

The status of the configuration update operation is noted.

**8.6.1.xx MIH\_Configuration\_Update request**

The corresponding MIH primitive of this message is defined in 7.4.30.1.

This message is used by the MIHF to change configuration of the MIH node(s) identified by the

Destination Identifier.

The Destination Identifier is passed to the local MIH User as a TargetIdentifier in an MIH\_Configuration\_Update.indication.

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| **MIH Header Fields (SID=1, Opcode=1, AID=10 )** |
| **Source Identifier** = sending MIHF ID(Source MIHF ID TLV) |
| **Destination Identifier** = receiving MIHF ID(Destination MIHF ID TLV) |
| **ConfigurationData****(Configuration Data TLV)** |

**8.6.1.yy MIH\_Configuration\_Update response**

The corresponding MIH primitive of this message is defined in 7.4.30.3.

This message is used by the MIHF to inform the status of configuration update.

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| **MIH Header Fields (SID=1, Opcode=2, AID=10 )** |
| **Source Identifier** = sending MIHF ID(Source MIHF ID TLV) |
| **Destination Identifier** = receiving MIHF ID(Destination MIHF ID TLV) |
| **Status****(Status TLV)** |

[6] In p35, line 20, Change “MIH\_Configuration\_Update indication” to “MIH\_Configuration\_Update request/indication”.