**IEEE P802.21  
Media Independent Handover Services**

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| **Proposed modification on**  **MIH\_PreReg\_Ready primitives and messages in IEEE 802.21c** | | | | |
| **Date:** 2013-07-10 | | | | |
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Abstract

In the IEEE 802.21c draft/D04, MIH\_PreReg\_Ready primitives and messages are used for a target link interface to prepare preregistration. This contribution proposes modification on the MIH\_PreReg\_Ready primitives and messages.

**Insert LinkType into MIH\_PreReg\_Ready primitives and messages:** MIH\_PreReg\_Ready primitives and messages do not have link type to prepare preregistration. If they do not have link type, MIHF cannot order a network interface to prepare preregistration. LinkType is needed to identify the network interface to prepare preregistration. Clause 7.4.31.1.2, 7.4.31.2.2, 8.6.3.28, and 8.6.3.29 should be modified as follows.

7.4.31.1.2 Semantics of service primitive

MIH\_Prereg\_Ready.request (

DestinationIdentifier,

LinkType

)

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| Parameter Name | Data type | Description |
| DestinationIdentifier | MIHF\_ID | This identifies the MIHF that will be the destination of this request. |
| LinkType | LINK\_TYPE | This identifies link type to prepare preregistration. |

7.4.31.2.2 Semantics of service primitive

MIH\_PreReg\_Ready.confirm (

SourceIdentifier,

Status

)

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| Parameter Name | Data type | Description |
| SourceIdentifier | MIHF\_ID | This identifies the MIHF invoking of this primitive. |
| Status | STATUS | Status of the preregistration transfer with TPoS. Code 3 (Authorization Failure) is not applicable. (See Table F.3.2) |
| LinkType | LINK\_TYPE | This identifies link type to prepare preregistration. |

8.6.3.28 MIH\_PreReg\_Ready request

The corresponding MIH primitive of this message is defined in 7.4.32.1.

This message is transmitted to the MIHF to perform preparation of preregistration.

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| MIH Header Fields (SID=3, Opcode=1, AID=15) |
| **Source Identifier** = sending MIHF ID  (Source MIHF ID TLV) |
| **Destination Identifier** = receiving MIHF ID  (Destination MIHF ID TLV) |
| LinkType  (Link type TLV) |

8.6.3.29 MIH\_PreReg\_Ready response

The corresponding MIH primitive of this message is defined in 7.4.32.2.

This message returns the result of a MIH\_PreReg\_Ready request.

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| MIH Header Fields (SID=3, Opcode=2, AID=15) |
| **Source Identifier** = sending MIHF ID  (Source MIHF ID TLV) |
| **Destination Identifier** = receiving MIHF ID  (Destination MIHF ID TLV) |
| Status ( Status TLV) |
| LinkType  (Link type TLV) |