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

|  |
| --- |
| **Proposed modification on** **MIH\_PreReg\_Ready primitives and messages in IEEE 802.21c** |
| **Date:** 2013-07-16 |
| **Author(s):** |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Hyeong Ho LEE,Hyunho PARK  | ETRI,ETRI |  |  | holee@etri.re.kr,hyunhopark@etri.re.kr, |

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. This document is the revision reflecting discussion of the July meeting.

**Insert LinkIdentifier into MIH\_PreReg\_Ready primitives and messages:** MIH\_PreReg\_Ready primitives and messages do not have link identifier to prepare preregistration. If they do not have link identifier, MIHF cannot order a network interface to prepare preregistration. LinkIdentifier 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,

 LinkIdentifier

)

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

7.4.31.2.2 Semantics of service primitive

MIH\_PreReg\_Ready.confirm (

 SourceIdentifier,

 Status,

LinkIdentifier

)

|  |  |  |
| --- | --- | --- |
| 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) |
| LinkIdentifier | LINK\_ID |  Identifier of the link 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.

|  |
| --- |
| 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) |
|  LinkIdentifier(Link identifier 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.

|  |
| --- |
| 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) |
|  LinkIdentifier(Link identifier TLV) |