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| Project | **IEEE 802.21 MIHS**  **<**[**http://www.ieee802.org/21/**](http://www.ieee802.org/21/)**>** | |
| Title | **Proposed remedy for Comment #51** | |
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| Re: | IEEE 802.21 Session #61 in Beijing | |
| Abstract | This document describes a proposed remedy for LB7b Comment #51 about protected PDU format. | |
| Purpose | To addresses LB7b Comment #51. | |
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[1] *Change second paragraph of Clause 8.4.2 as follows.*

A protected MIH PDU is an MIH PDU that has an MIH header with S bit set to one indicating that the MIH service specific TLVs in this PDU are encrypted or the PDU is digitally signed. When the MIH service specific TLVs in this PDU are encrypted, each security association is defined for a pair or group of MIHFs and is identified by a security association identifier (SAID). In this case, an SAID TLV shall be carried in the PDU. Source and Destination MIHF Identifier TLVs may not be present when an SA is defined for a pair of MIHFs. When a PDU is digitally signed, a Signature TLV shall be carried in the PDU. Figure 29 shows a protected MIH protocol frame. Table XX shows valid combinations of S bit and security-related TLVs. ~~Therefore, for a protected MIH PDU, when a security association identifier is defined and the PDU is not digitally signed, the Source and Destination MIHF identifier TLVs may not be present.~~ ~~In this case, an MIH header is followed by an SAID TLV, which is followed by a security TLV. When no SAID TLV is carried, Service Specific TLVs shall be carried without encryption and therefore no Security TLV is carried. A Signature TLV is carried when a multicast PDU is digitally signed. When an MIH message is multicast and the S bit is set, Source and Destination Identifier TLVs and an SAID TLV shall be carried~~

[2] *Add the following table in Clause8.4.2.*

Table XX: Valid Combinations of S-bit and Security-related TLVs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S bit | Source and Destination MIHF Identifier TLVs | SAID TLV | Security TLV or Service Specific TLVs | Signature TLV |
| 0 | Present | Not Present | Service Specific TLVs | Not Present |
| 1 | Present | Not Present | Service Specific TLVs | Present |
| 1 | May not be present | Present && ID\_TYPE != 2 | Security TLV | Not Present |
| 1 | Present | Present && ID\_TYPE = 2 | Security TLV | Present |