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| Project | **IEEE 802.21.1 Media Independent Services**  **<**[**http://www.ieee802.org/21/**](http://www.ieee802.org/21/)**>** |
| Title | **Proposed remedy for Cmt #1 of LB10** |
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| Date Submitted | **May 16, 2016** |
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| Re: | Session #74, Big Island, HI, USA |
| Abstract | The definition of MIS security association (SA) mentions to EPA-generated SA and GKB-generated SA. But, it does not mention to GKB-generated SA. To solve the issue, this contribution proposes an update of the definition of MIS SA. |
| Purpose | Suggested remedy for Cmt #1 in LB10. |
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Cmt #1:

Clause Number: 3

Starting Page Number: 9

Starting Line Number: 37

Comment Details: mention MIS SA established via GKB method

Suggested Remedy: Add an explanation such as "The group MIS SA is created with GKB generation."

Proposed remedy:

Update the definition of MIS security association (SA) in clause 3 as follows

**Original definition**

MIS security association (SA): An MIS security association is a set of cryptographic attributes established between the peer MIS entities for protecting MIS messages at the MIS protocol layer. An MIS SA is established via TLS handshake or EAP execution, where both the TLS handshake and EAP execution take place over the MIS protocol. When an MIS SA is established via TLS handshake, the TLS master key and its child keys, TLS random values and the TLS cipher suite negotiated in the TLS handshake are a part of the MIS SA. When an MIS SA is established via EAP execution, an MSK or rMSK and its child keys, MIS random values and the MIS cipher suite negotiated between the peer MIS entities are associated with the MIS SA.

**Updated definition**

MIS security association (SA): An MIS security association is a set of cryptographic attributes established between the peer MIS entities for protecting MIS messages at the MIS protocol layer. An MIS SA is established via TLS handshake, ~~or~~ EAP execution, or via a group key distribution mechanism using GKB where ~~both~~ all of the TLS handshake, ~~and~~ EAP execution, and group key distribution take place over the MIS protocol. When an MIS SA is established via TLS handshake, the TLS master key and its child keys, TLS random values and the TLS cipher suite negotiated in the TLS handshake are a part of the MIS SA. When an MIS SA is established via EAP execution, a~~n~~ master session key (MSK) or re-authentication master session key (rMSK) and its child keys, MIS random values and the MIS cipher suite negotiated between the peer MIS entities are associated with the MIS SA. When an MIS SA is established via group key distribution mechanism using GKB, the master group key and its child keys, and the MIS group cipher suite indicated to the peer MIS entities are associated with the MIS SA.