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|  IEEE 802.1 REVISION REQUEST 0171                                 |
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DATE: 26 JULY 2016
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REQUESTED REVISION: MI ordering in MKA Key Server Peer List
      STANDARD: 802.1X
      CLAUSE NUMBER: 9
      CLAUSE TITLE: MACsec Key Agreement Protocol (MKA)

RATIONALE FOR REVISION:

When using XPN Cipher Suites the CP state machine transition from READY to TRANSMIT cannot
be taken by a non-Key Server CA member unless the SCI to SSCI mapping is known, which

will not be the case unless that CA member has received from all the others.

PROPOSED REVISION TEXT:

The Key Server should order (in SSCI order) the MIs in its Live Peer List in each MKPDU used
to distribute an SAK. The MKA Version Identifier should be changed to 3 so that recipients
can know that has been done. No other change is necessary so the rest of the MKPDU will
appear entirely unchanged from the point of view of an existing system.

Full details of necessary text change are in:

http://www.ieee802.org/1/files/public/docs2016/ck-seaman-ssci-maintenance0716v01.pdf

IMPACT ON EXISTING NETWORKS:

No impact on an existing conformant system. Effectiveness of change depends on Key Server
adopting the change (MKA Version Identifier 3), the change will benefit any other Version 3
member (even if Version 2 or Version 1 members are in the CA) and will have no effect

on those Version 2 and 1 members.


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|  Please attach supporting material, if any                        |
|  Submit to:- Glenn Parsons, Chair IEEE 802.1                      |
|   and copy:- John Messenger, Vice-Chair IEEE 802.1                |
|      E-Mail: stds-802-1-maint-req@ieee.org                        |
|                                                                   |
|              +------- For official 802.1 use -----------+         |
|              | REV REQ NUMBER: 0171                      |         |
|              | DATE RECEIVED: 26 July 2016               |         |
|              | EDITORIAL/TECHNICAL                       |         |
|              | ACCEPTED/DENIED                           |         |
|              | BALLOT REQ'D YES/NO                       |         |
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|              +-------------------------------------------+         |
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