

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >
Title	<b>PN_WINDOW_SIZE of Management Message</b>
Date Submitted	<b>2005-07-21</b>
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Re:	<b>Call for contribution and comments.</b>
Abstract	PN_WINDOW_SIZE of Management Message.
Purpose	<b>Adoption</b>
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## PN\_WINDOW\_SIZE of Management Message

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### Problem Definition

In section 7.5.1.2.4, PN window has been defined for SA and it can be negotiated during SBC exchanges. But since no SA is created for basic and primary management connections which also need PN window to protect against replay attack, PN window for the two management connections shall be also defined and negotiated.

### Proposed Text Changes

***[modify the paragraph before as follows:]***

The receiver shall maintain a PN window whose size is specified by the PN\_WINDOW\_SIZE parameter ~~per SAID~~ **for SAs and management connections** as defined in 11.9.36. Any received PDU with a PN lower than the beginning of the PN window shall be discarded as a replay attempt. The receiver shall track PNs within the PN window. Any PN that is received more than once shall be discarded as a replay attempt. Upon reception of a PN which is greater than the end of the PN window, the PN window shall be advanced to cover this PN.

***[modify the 11.8.4.4 as follows:]***

#### 11.8.4.4 PN\_WINDOW\_SIZE

Specifies the size capability of the receiver PN window ~~per SAID~~ **for SAs and management connections**. The receiver shall track PNs within this window to prevent replay attacks (see 7.5.1.2.4).  
Operator Operator  
Network Network