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Title	<b>PN_WINDOW_SIZE of Management Message</b>	
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Abstract	PN_WINDOW_SIZE of Management Message.	
Purpose	Adoption	
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## PN\_WINDOW\_SIZE of Management Message

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HUAWEI

### 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

*[Insert before the section 7.5.2.4 in page 229 line 49 as follows:]*

The receiver shall maintain a PN window whose size is specified by the MSG\_PN\_WINDOW\_SIZE parameter per AK as defined in 11.8.4.5. Any received management message with a CMAC\_PN\_\* lower than the beginning of the CMAC PN window shall be discarded as a replay attempt. The receiver shall track PNs within the CMAC PN window. Any CMAC\_PN\_\* that is received more than once shall be discarded as a replay attempt. Upon reception of a CMAC\_PN\_\* which is greater than the end of the CMAC PN window, the CMAC PN window shall be advanced to cover this CMAC\_PN\_\*.

*[modify the name of section 11.8.4.4 as follows:]*

11.8.4.4 DATA\_PN\_WINDOW\_SIZE

*[Insert sub-clause 11.8.4.5 as follows:]*

#### 11.8.4.5 MSG\_PN\_WINDOW\_SIZE

Specifies the size capability of the receiver PN window per AK for management messages. The receiver shall track PNs within this window to prevent replay attacks (see 7.5.4.1).

Type	Length	Value
25.5	2	PN Window Size in PNs