

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Periodic Ranging protocol update	
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Re:	Call for contribution	
Abstract	Periodic ranging alignment	
Purpose	update	
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Periodic Ranging

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In order to incorporate the agreement among: vendors, ETSI, Cetecom and PCT developers, which clarify the perioding ranging issue, the following changes are needed to be aligned to the current interpretation of the protocol.

Text changes

Section 6.3.10.2

Pag. 198, line 9 Insert the following:

"Change the fourth enumerated item as indicated:

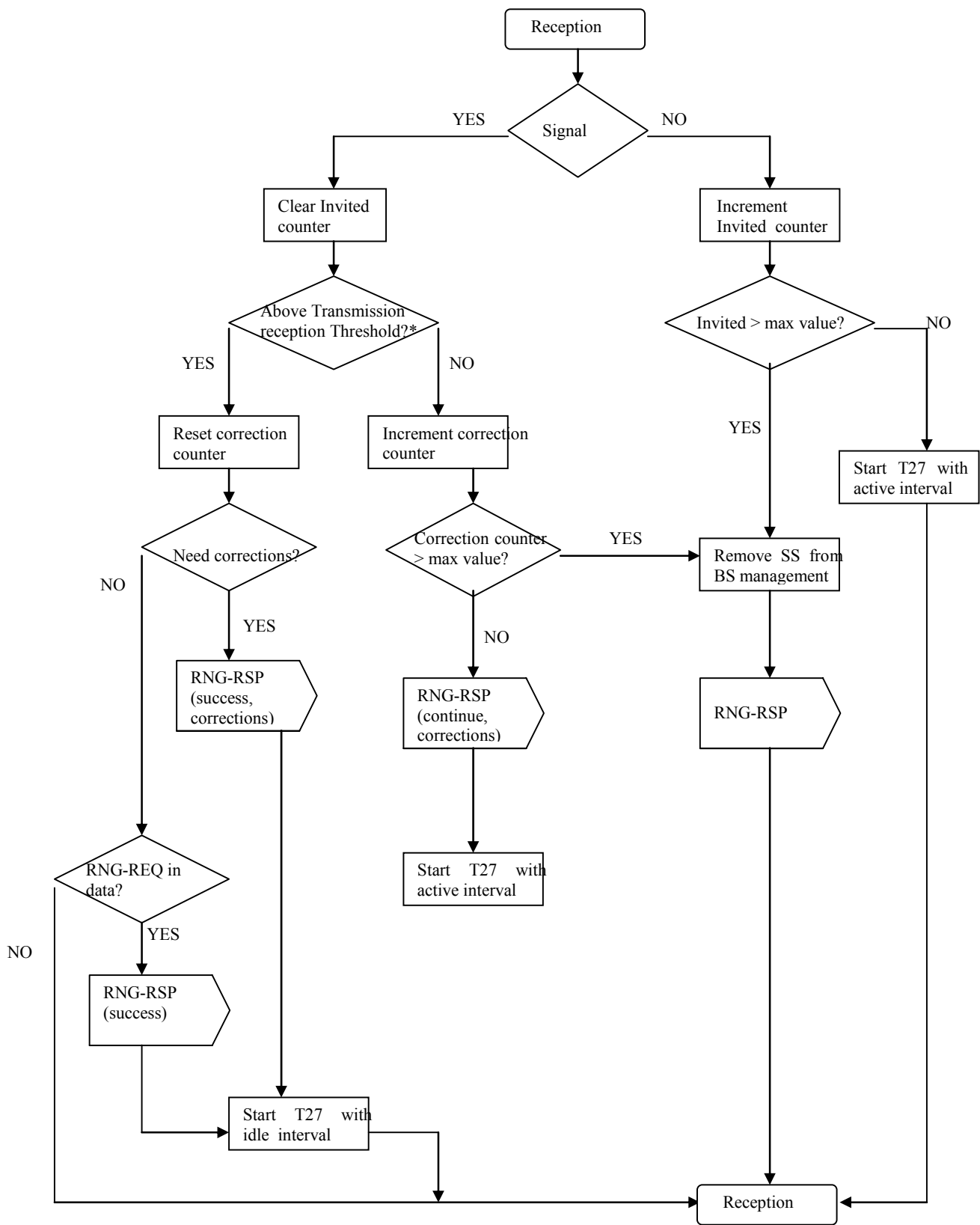
4) For each unicast uplink burst grant in which a signal is detected, the BS makes a determination as to the quality of the signal. ~~If the signal is within acceptable limits below BS acceptable reception threshold, the BS shall transmit a RNG-RSP (continue). This RNG-RSP (continue) may include corrections. If the signal is above BS reception threshold, BS may transmit a RNG-REQ (success). This RNG-RSP (success) may include corrections. If the BS receives a RNG-REQ, the BS shall transmit a RNG-RSP (success). This RNG-RSP (success) may include corrections. burst includes the RNG-REQ message, the RNG-RSP message shall be issued with a status of~~
~~success. If the signal is not within acceptable limits, the RNG-RSP message shall be issued that includes the appropriate correction data and a status of continue.~~ If a sufficient number of correction messages are issued without the SS signal quality becoming acceptable, the BS shall send the RNG-RSP message with a status of abort, and terminate link management of the SS."

Pag.198, line 15 insert the following:

"Add an eighth enumerated item as indicated:

8) ~~The SS shall respond to each uplink grant addressed to it and entirely fill the burst. If no data is pending and the last RNG-RSP was success, the SS shall fill the entire grant with a: RNG-REQ or "Padding PDU" or "stuff bytes".~~

Replace figure 82 with the figure depicted below:



(*) it is implementation dependent

Figure 82 – Periodic Ranging receiver process -BS
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