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Re:	Call for Comments on P802.16-2004/Cor2/D2
Abstract	This document clarifies the BS and MS actions with regards to the noise and interference level IE
Purpose	Adopt changes
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BS and MS actions with regards to the Noise and Interference Level IE

1. Background

According to 8.4.5.3.19, the MS should not transmit any data while in open-loop power control mode until it receives the Noise and interference level IE. To make sure the MS receives this IE before transmitting, it is defined in the above paragraph that the BS should wait to change the power control mode until the MS receives this IE. Doing this can cause a big delay in changing into open loop power control. Another way of making sure that the MS has the noise and interference level IE, is by defining that the MS must save the noise and interference level even if it is in closed loop power control.
In addition, it is unclear in what case the MS doesn't receive the IE according to the beginning of the paragraph.

2. Proposed text changes

8.4.5.3.19 UL noise and interference level IE format

Change the paragraph following Table 286h as indicated:

The UL interference and noise level that is indicated in the latest IE shall be used if necessary. ~~MS shall not transmit any UL burst in open loop power control mode until it receives any UL noise and interference level IE.~~ The MS that supports open loop power control shall decode the UL noise and interference level IE even if it is in closed loop power control mode and save the values for future use (i.e. BS changes the MS's power control mode to open loop). The BS should ensure that the MS has had a chance to receive the fields required for proper power control mode change in the UL noise and interference IE by properly setting the start-frame field in the PMC-RSP message to point after the frame which contains ~~its next~~ a transmission of the noise and interference IE following the MS's network entry (the transmission of the UL noise and interference level IE might be before the frame in which the PMC-RSP was sent). After the first reception of the UL noise and interference IE, the MS may use the same noise and interference levels until it receives updated noise and interference levels. If the MS is in open loop power control mode and receives an UL allocation before a successful reception of ~~receiving~~ any noise and interference IE, the MS may transmit by using the transmission power level calculated with equation 138~~a~~-1, where the noise and interference levels are estimated from the last transmission power level in closed loop using the ~~same~~ equation for the corresponding UIUC.