TSG-RAN Meeting #7 *RP-000009*
Madrid, Spain, 13 - 15 March 2000

(R4-99A22, copy TSG-RAN) LS on Handover signalling robustness

Source: **TSG-RAN WG4**

Title: **LS on handover signalling robustness**

To: **TSG-SA4, TSG RAN2, TSG T1**
Cc: **TSG-RAN, TSG SA**

The AMR speech codec is designed to operate under different radio conditions, including radio conditions that are severely interfered.

To ensure adequate AMR performance, the signalling channels should then also work under these radio conditions.

RAN WG4 has discussed a test case ensuring that the handover signalling being more robust than the traffic channel at minimum QoS in “Requirements for Support of RRM” TS 25.133.

A time delay <0.5 s on the handover signalling from “Active set update message sent to UE” to “Handover completed” (UE is using a new radio link for power control, see R4-99804) is proposed under more severe radio conditions than an AMR codec can cope with (MOS <3), see R4-99873.

TSG SA4 is asked to comment on the required robustness of the signalling required when the UE is operating in the worst radio conditions it is designed to operate in and on whether the 0.5 s is sufficient.

RAN WG2 is asked to clarify whether the protocol is designed to work under these radio conditions, and whether it fulfils the above 0.5 s requirement.

Both groups are asked to inform RAN WG4 whether additional requirements are needed in the RAN4 specifications.

T1 is requested to include a test in their specification to verify correct performance.

R4-99873.doc