

Agenda Item: 9

Source: 3GPP TSG RAN WG4

To: ETIS STC SMG2

Cc: 3GPP TSG RAN WG1, 3GPP TSG RAN WG2

Title: Response to LS on UMTS synchronisation channel detection

RAN WG4 have received a LS from RAN WG1 (Tdoc TSGR#11(00)0456) on the issue of UMTS synchronisation channel detection in which a question to RAN WG4 for the benefit of SMG2 was posed. The question is repeated here for ease of reference.

“SMG2 also asked how often the synchronisation information needs to be reconfirmed. RAN WG1 cannot provide this information as it is strongly dependent on the radio conditions, system deployment, etc... RAN WG1 kindly asks RAN WG4 if this issue has already been considered in the frame work of intra frequency handover measurements and performance analysis.”

In response to this question RAN WG4 would like to state that this has not been considered in the framework of intra frequency handover measurements and performance analysis. However, it is the feeling of the meeting that synchronisation, once attained, remains valid for a duration in the order of 3 seconds. However, within soft handover operation in UTRAN it is safe to assume that the updating level will be on a much shorter duration.

RAN WG4 would like to draw the attention of SMG2 that this is dependent on the environment considered and will be impact by factors such as the UE/MS speed, multipath situation and other aspects.

RAN WG4 will endeavour to provide SMG2 and other interested parties with information regarding this issue as and when they become available.