

TSG-SA Working Group 1 (Services) meeting #5  
Bernried, Starnberger, Germany 27<sup>th</sup> Sept – 1<sup>st</sup> Oct 1999

*TSG S1 789/99*  
Agenda Item: 6.4

**Source:** S1  
**To:** TSG-RAN  
**CC:** S2

### **Liaison Statement**

**Title:** Connectionless services during the call.

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During the TSG-SA1 and SA2 joint meeting services using signalling channels were discussed.

In GSM, USSD and UUS can be used to send information during a call. A problem with the GSM radio interface is that use of these services affects to the speech quality as the signalling steals speech frames. S1 would like to verify that usage of these services over the UTRAN will not affect speech quality.

Further it was mentioned by S2 that handover performance in GSM can be compromised by long USSD strings as handover commands towards the MS are buffered and thus delayed. S1 would like to verify that there is no similar impact to handover quality.

S1 would also like to know if there are any restrictions in receiving the SMS-CB during the call.