

TSG-SA Working Group 1 (Services) meeting #1

**TSGS1#1(99)044**

Sophia Antipolis 1<sup>st</sup> - 5<sup>th</sup> February 1999

**Agenda Item:** 6.2.1

**Source:** SMG4

**Title:** UMTS Phase 1: Support of Short Message Cell Broadcast Service

**Document for:** Discussion

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**ETSI / SMG4**  
**7<sup>th</sup>-11<sup>th</sup> December 1998**  
**Salisbury, England**

**SMG4 Tdoc 98P726**

**Liaison Statement.**

**Source:** SMG4

**To:** SMG1,

**copied to** SMG2, SMG3, SMG12

**Subject:** UMTS Phase 1: Support of Short Message Cell Broadcast Service

SMG4 has discussed the document from SMG1 (Tdoc SMG1 844/ 98 ) ( T doc SMG4 98P572 ) and wishes to make the following comments.

SMG4 is not in a position to help concerning the choice of throughput for a geographical specific area. However, SMG4 believes that it would be desirable to increase the message length to be greater than 82 octets if possible.

Furthermore, the current maximum message repetition rate at the BTS of 1 message every 2 seconds is widely recognised by network operators as being commercially restrictive.

SMG4 suggests that consideration should be given to improving both of these parameters.

Additionally, SMG4 feels that some consideration should be given to providing a Closed User Group type function which would permit certain CBS messages only to be received or displayed by certain mobile subscribers. This would also allow network operators to offer what are essentially 'subscription services'. In GSM, the use of the SIM application toolkit is proposed to resolve this commercial requirement.

**Source:** SMG1  
**To:** SMG2, SMG3, SMG4, SMG12  
**Subject:** UMTS Phase 1: Support of Short Message Cell Broadcast Service

SMG#27 has endorsed the proposal to include Cell Broadcast service into the set of services which needs to be supported in the framework of UMTS Phase 1. Responding to advice from SMG SMG1 had preliminary discussion on the set of requirements for SMS-CB. We are aware of the urgency of this issue, in particular for the progress in SMG2. For this reason we like you to inform about our preliminary considerations and would welcome feedback whether the sort of requirements confirms to your expectations.

SMG1 likes to highlight that Cell Broadcast service is a service which serves a certain geographical area, not a certain group of subscribers for the benefit that subscriber management is not necessary. In this respect SMS-CB is distinct from other services like multicast services, groupcall services etc. We are also aware that radio technology for UMTS is very much different to the one we used to in GSM.

For the reasons given we try to specify our requirements irrespective of radio technology. We would like to keep service appearance same as of GSM SMS-CB (service continuity). We do not require a certain way of implementation (e.g. interface between CBC and network elements). We assume that the data capacity/user (message length) being attached to GSM network is sufficient for UMTS as well. We require a certain throughput/geographical service area. This implies that overall data throughput/radio service area is a function of the size of the service area.

Our first estimate leads to a requirement of 20 kbits/s per km<sup>2</sup>.