3GPP TSG SA WG 3 (Security) meeting #11 **S3-000174**
Mainz, 22-24 February, 2000

From: **3GPP TSG SA WG3**
To: **3GPP TSG CN WG2**

Proposed LS concerning the status of MAP Security

The purpose of the present LS is to inform CN2 about the status of the work currently going on in the working groups involved in the specification of the MAP security feature.

Layer I
An example format of Key Exchange Messages is specified in 3GPP TS 33.102 (based on ISO Standard 11770-3). No standardisation of the transport mechanism for the Key Exchange Messages is envisaged for R'99.

Open Issues:
Details of key transport between KACs need to be agreed bilaterally between network operators. This could be done in course of roaming agreements. GSMA is seen as the appropriate body to provide a recommendation regarding that issue (possibly based on initial input from S3). For R'00 a standardised, automatic mechanism for Layer I is needed.

Layer II
An example format of key transport messages in layer II is specified in Annex E of 3GPP TS 33.102. A standardised mechanism for transporting the key transport messages including standardised interfaces is needed.
To this end, a liaison with TSG SA5 to deal with these issues has been established. S3 have some indications that S5 is willing to take up the issue, provided there is sufficient support from companies interested in MAP security.

Open Issues:

- Select public key algorithms to be used and specify related parameters needed for Layer II.
- Provide further guidance and support to S5
- Establish method of collaboration with S5

Layer III
Collaboration between S3 and CN2 has been established. Most open issues concerning Layer III transmissions have been resolved. S3 acknowledges that the work on Layer III messages has been substantially progressed by CN2(B) since the SA #6. However, S3 would like to point out that it is absolutely essential that the necessary CRs for specifying protected MAP messages are completed by SA #7 in march, and therefore recommends CN2 should follow the approach suggested by Vodafone.