3GPP TSG SA WG3 Security — S3#13 **S3-000344**

23-26 May, 2000

Yokohama, Japan

Source: **SA3 (Security)**

Title: **Draft LS to SA2 on use of IP for security key distribution**

Document for: **Approval**

Agenda Item:

As well known by the SA2 the SA3 is specifying core network signalling security mechanisms for UMTS R00. In the early phase of R00 the CN4 group has prepared specifications for secure transport of MAP dialogues (so-called layer 3 of MAP security in TS 33.102). To be able to support this a security key management mechanism is under development in S3 (so-called layers 1 and 2 of MAP security).

For key distribution from Key Administration Centre (KAC) to all core network elements in the same PLMN (layer 2) at least two transport protocols are considered: MAP and IP. It may be beneficial to use IP for this purpose because of future-proofing reasons: the mechanism should be able to be used for security also in IP-based core networks.

Therefore, it is kindly asked that S2 checks (and either confirms or rejects) the following assumption that is clearly required if IP is to be used for key distribution:

All UMTS R00 core network elements support the IP protocol at least for communication towards the Key Administration Centre.