Source: **3GPP TSG-S3 (Security)**

Title: **Proposed LS from S3 on TR45 acceptance of 3GPP for ESA**

Document for: **Approval**

Agenda Item:

Source: **3GPP S3 (Security)**

To: **TIA TR45.3, TIA TR45 plenary, TIA TR45.2, TIA TR45.5, TIA TR45 AHAG**

Cc: **3GPP TSG SA**

Title: LS from S3 to TR45 and sub-committees on TR45 acceptance of the 3GPP AKA for ESA

S3 thanks TR45.3 for copying to S3 chair, Mike Walker, its liaison statement (dated 4th January, 2000) to TR45 AHAG. The relevant text of the LS is given below:

> *Further to the liaison from ETSI SMG10 to AHAG re Principles for Global Authentication, TR45.3 endorses the principle of AKA as the core global authentication mechanism, provided the ANSI-41 family needs are incorporated as optional hooks and extensions within the AKA standards publications.*

S3 would like to relay to TR45.3 and to TR45 plenary, TR45.2, TR45.5 and TR45 AHAG, that the 3GPP SA plenary (3GPP SA#6, 15-17 December, 1999) endorsed an S3 proposal that:

♦ 3GPP S3 remain as the "design authority" for the 3GPP AKA and therefore that all variants of the 3GPP AKA be specified in 3GPP specifications

♦ Any changes to the 3GPP AKA must be approved by both 3GPP SA plenary and TR45 plenary

Incorporation into 3GPP specifications

With this endorsement, S3 can therefore confirm that the ANSI-41 family needs can be incorporated within the 3GPP specifications. The nature of the "hooks and extensions", whether they are mandatory, optional or not applicable, for ANSI-41 and/or 3GPP systems, will be discussed and agreed with TR45 once the required hooks and extensions have been agreed by TR45. The joint S3/AHAG meeting in April is seen as the time that this discussion will take place.

Joint Agreement

It is hoped that the SA plenary agreement that any changes to the 3GPP AKA must have TR45 approval will meet the concerns of those in TR45 who are concerned that accepting the 3GPP AKA will mean a loss of control for TR45.

It is suggested that the mechanism for this "joint approval" is as follows:

♦ Following the approval of specification 33.102 (where the AKA is defined) to version 4.0.0 at the March SA plenary (the effective closure of the release 99 specifications), a CR to 33.102 affecting the AKA, shall not be approved by SA plenary unless there is a formal liaison from TR45 approving the CR.

♦ Prior to 33.102 being raised to version 4.0.0, changes can be made to the AKA without TR45 approval, though the CR's shall be copied to TR45 AHAG and TR45.2.

TR45.3 is thanked for its endorsement of the 3GPP AKA, as is TR45 for its acceptance of the 3GPP for ESA (subject to a period of study) at their December meeting.