

**3GPP TSG SA WG3 Security — S3#14**  
**August 1-4, 2000**  
**Oslo, Norway**

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**S3-000413**

**Source:** TR-45 AHAG

**To:** TSG SA WG3

**Title:** Guidelines for AHAG/3GPP SA3 Interactions

**Cc:** Cheryl Blum, Chair, Subcommittee TR-45.2

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TIA Committee TR-45 has approved the attached recommendations for action by TR45.2 and TR-45 AHAG. Please note that it includes recommendations for developing guidelines for the working relationship between TR-45 and 3GPP S3.

TR-45 AHAG plans to discuss such guidelines at its July 18-19, 2000 meeting. The results of that meeting will be further discussed with TR45.2 in the August 15-16, 2000 joint AHAG/TR45.2 meeting. We hope that recommended guidelines from the August meeting will be approved by TR-45 at its meeting at the end of August, so that recommended guidelines can be presented to SA3 in the September joint AHAG/TR45.2/SA3 meeting.

Please be assured that we will welcome your comments and suggestions with regard to our proposed guidelines. We would like to suggest that SA3 also discuss this subject during the same time period, so that agreement can be reached in a timely manner.

If you have any questions or concerns, please do not hesitate to contact the AHAG Chair, Christopher Carroll or myself.

## **Enhanced Subscriber Authentication (ESA)**

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TR-45.2 and the TR-45 AHAG proceed with the development of AKA-based ESA.

TR-45.2 and the TR-45 AHAG investigate, as a priority, enhancements to AKA operation that would mitigate the security threat posed by “rogue” mobile equipment (i.e., MS shell).

- The rogue MS shell could retain Cipher Key (CK), Integrity Key (IK) and subscriber identity information after an R-UIM is removed. The rogue MS shell can obtain service fraudulently by using this information, or it could distribute this information.

TR-45.2 and the TR-45 AHAG present the enhancements to the AKA operation to 3GPP for their consideration

## **Working Relationship Between TR-45 and 3GPP S3**

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TR-45.2 and the TR-45 AHAG develop a proposed set of guidelines for the working relationship between TR-45 and 3GPP S3. The set of guidelines will include change control, responsibilities, communications, etc.

Forward the proposed guidelines to 3GPP S3 for review and concurrence.

Present the guidelines agreed to by 3GPP S3 and TR-45 AHAG/TR-45.2 for concurrence to TR-45 and 3GPP SA respectively.