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Oslo, Norway

Technical Specification Group Services and System Aspects

TSGS#8(00)353

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LIAISON STATEMENT

From: TSG-SA
**To: GSM Association, S1, S2, S3, S4,
EICTA CelCom, GSM Certification Forum**
Cc: TSG-T, T2

TSG-SA has discussed the attached paper (SP-000313) which highlights some issues and concerns associated with providing call control applications in one or more attached external devices routing calls through an ME.

The opinion of TSG-SA is that this area has not been fully studied to date and it is important to understand which scenarios should be examined in further detail. TSG-SA will revisit this subject once further information is available from the groups addressed above.

The attached document discusses several scenarios, some of which are raised by more immediate technical concerns and some of which are issues of principle.

Of immediate concern is the UE requirement to support multiple data streams. TSG-SA sees a need to establish clear requirement scenarios and would appreciate feedback on this issue, e.g. the support of multiple PDP contexts.

On the issues of principle, TSG-SA#8 recognises the Industry developments in the direction of providing PC-based multimedia clients. TSG-SA is prepared to discuss this at future meetings. However, TSG-SA#8 is not ready to accept the proposal to provide call control applications in one or more attached external devices and routing calls through an ME; feedback on the full implications of this proposal is welcomed from the addressed groups. TSG-SA has serious concerns including the following specific issues:

- Validity of the mutual authentication between the user and the network
- Termination point for the ciphering and integrity checking
- IMEI location and security
- Validity and scope of conformance testing
- PC virus attacks
- Malicious tampering with software located in the PC
- Misuse of open connections by third parties

- Fraud (e.g. theft of service)

All of the above items imply that there is a set of functionality that should not be split.

TSG-SA notes that the 3G system is highly reliant on all relevant components being fully interoperable and secure. Therefore TSG-SA believes that 3GPP needs to be involved in the development of any relevant protocols which have an impact on the 3GPP system, including those which work between an ME and a physically separate TE. TSG-SA believes that there is a serious risk to the integrity and stability of the 3GPP system unless all relevant protocols are brought into the discussion in appropriate 3GPP groups.

We therefore invite the GSM Association and EICTA CelCom to consider this matter and identify what the market requirements would be for providing Mobile Multimedia and other services using devices outside of the UMTS radio handset.

Product testing and certification including IMEI security are believed to be potential problem areas, hence the GSM Certification Forum is also invited to consider the implications.

S1 is asked to study the requirements for supported scenarios.

S2 is asked to identify any architectural impacts

S3 is asked to identify security issues

S4 is asked to comment on the scenarios currently considered/included in Release 99 and provide also a view for Release 2000.

In order to help develop this work in harmony, it would be useful to copy any responses to all those on the To: and Cc: lists above.