

**11-14 April, 2000**

**Stockholm, Sweden**

***Approved by email correspondence after the meeting***

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**From:** 3GPP TSG-SA WG3 / ETSI SMG10  
**To:** ETSI SMG2; SMG 2 ad hoc on simple class A  
**Title:** Proposed LS on double encryption in GSM-GPRS Dual Transfer Mode

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TSG-SA WG3 have considered an LS from SMG2 on double encryption in GSM-GPRS Dual Transfer Mode (S3-000260 = SMG2 786/00). TSG-SA WG3 have assumed that different encryption keys are used at both layers. TSG-SA WG3 can confirm that applying GEA encryption at the LLC layer in the SGSN and then A5 encryption at layer 1 in the BTS does not create any security problems. Furthermore, as far as TSG-SA WG3 are aware, there are no special rules or restrictions (e.g. export controls) against the double application of encryption in this way, providing that the individual GEA and A5 algorithms are acceptable.