

TSG-SA Working Group 1 (Services) meeting #3
Hampton Court, Surrey, UK 10th-12th May 1999

TSGS1#3(99)270
Agenda:4.10.5

SMG4/TSG-CN3/TSG-2
London, England
15 – 19 March 1999

Tdoc T2-99193

Liaison Statement

To: TSG -SA1, TSG-SA2, TSG-CN2, SMG1, SMG6,
SMG6 GPRS

Source: TSG-CN3

Title: Proposed Work Item Description for Service control
(CAMEL) support for GPRS PSTN / ISDN interconnect
services.

SMG4 GPRS / TSG-CN3 has discussed the attached Tdoc T2-99191
proposing a new work item for service control for GPRS PSTN / ISDN
interconnect services.

TSG-CN3 has endorsed this proposal and would kindly ask the addressee's
to comment and help in making this proposal a formal work item.

Tdoc T2-99191 attached.

**Proposed Work Item Description for Service control (CAMEL) support for
GPRS PSTN / ISDN interconnect services.**

3.x GPRS and CAMEL release 99

3.x.1 SMG Work Area

	UMTS Radio Access
	GSM Radio Access
X	GSM-UMTS Core Network
X	UMTS Services

3.x.2 Linked work items

“Modem and ISDN interworking in phase 2 GPRS”
“Definition of 3G call control model and protocol(s)”
“Multimedia in UMTS”

3.x.3 Justification

There are a number of work items potentially addressing how GPRS will support “real time” (e.g. voice or video) services via GPRS and the PSTN/ISDN.

If we are to support GPRS interconnect to the PSTN and ISDN, for support of “real-time” services, it is important to provide a call related linkage to the CAMEL server in a compatible way to that currently deployed within the GMSC and VMSC, so that the users can have the same service capability across all access pieces.

Currently, within CAMEL phase 3, one of the requirements is to provide integration between GPRS and CAMEL and specifically this is addressing integration within the SGSN. However these current requirements only address interactions at the transport (PDP activation level). With the addition of "real time services" to GPRS whereby there are additional **call control** and **call related** events being supported, it is essential that CAMEL is further developed to interact with those call related actions. These actions are very compatible with existing developments on the GMSC and VMSC switched network platforms.

This proposed work item addresses the integration of the call control to be applied to GPRS with CAMEL in addition to the basic GPRS services already included in the scope of CAMEL Phase 3.

3.x.4 Service Aspects

With the introduction of call related services to GPRS it is important that services such as pre-paid and forwarding services, etc can be managed from the call control mechanism being introduced. This work item is therefore not a service development but a technology enabler to deliver new and existing services.

3.x.5 MMI-Aspects

3.x.6 Charging Aspects

It shall be possible for the CAMEL server to manipulate and control the charging information being generated as part of the call control mechanism being developed for GPRS.

3.x.7 Security Aspects

The integrity of existing GSM security mechanisms shall not be weakened with the introduction of new Release 99 services.

3.x.8 Impacts

Affects:	USIM	ME	NW	Others
Yes			X	
No	X	X		
Don't know				

<supplementary text> -- optional

3.x.9 Expected Output and Timescales (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. STC	2ndary resp. STC(s)	presented for information at SMG#	approved at SMG#	Comments
Affected existing specifications						
Spec No.	CR	Subject	Approved at SMG#		Comments	

< optional supplementary text, e.g. other documents to be produced >

Note: Some GSM specifications might be affected.

3.x.10 Work item rapporteurs

3.x.11 Work item leadership

3.x.12 Supporting companies

BT, Vodafone, Motorola *<others still required>*

3.x.13 Others

<text> -- optional