TSGS#25(04)0536

Title:	Testing of all Release 99 Features
Source:	MCC / T1
Agenda Item:	TBA
Document for:	Discussion (updated at the T1#24 meeting)

1. Introduction

Most of T1ís efforts are used for the definition of UTRAN protocols testing, as UTRAN is the most complex Release 99 feature.

However, UTRAN is not the only Release 99 feature, and the situation on the testing of the other Release 99 features might be improved by some clarifications. For these features, different cases apply:

- no testing is needed,

- the testing is just started at T1,

- the testing is not started but needed and supposed to be done at T1,

- the testing is to be done (or being done) elsewhere, e.g. OMA, SA4, GERAN, etc.

Indeed, for many features, the testing is not mentioned at all, or at least there is no written document to indicate whether testing is needed or not and if yes, who is supposed to write the corresponding Test Cases, and what is the status.

The intention of this contribution is to start this work so that, in the end, a complete view on the testing of ALL Release 99 features is provided.

Moreover, it is proposed that T1 act as a ì Testing coordinatorî, i.e. even if the testing is to be defined elsewhere, T1 identify the responsible WG and keep track of the main milestones, basically the starting and the completion of TCs definitions.

The contribution does not address the subsequent decisions, as the potential need of creating new specifications or the need to contact some WGs to clarify the situation when needed.

Note after presentation at T1: T1 has reviewed the original proposal from MCC and completed as much as possible the following table. T1 stresses that the information collected bellow just reflects T1ís understanding of the situation, i.e. there is no intention to bind any working group to elaborate whatever testing.

2. Discussion

The following table lists all the Release 99 features, as identified by the official 3GPP document ì Overview of 3GPP Release 99: summary of all Release 99 Featuresî, available at:

http://www.3gpp.org/Releases/Releases.htm

For each feature, the section where it is described in the document is given, as well as the WI supporting companies.

The intention is to complete the information in the table, in particular for the three last columns (ì [testing] neededî, ì Responsible groupî and ì Statusî).

Feature			Testing		
Name	Section	Supporting companies	Needed (Yes/No/?)	Responsible group	Status *(not started, ongoing, complete)*
Architecture Of The GSM-UMTS Platform	2.1	-	No	-	-
The UMTS Terrestrial Radio Access Network	2.2	-	Yes	T1	Ongoing
Mandatory Speech Codec For Narrowband Telephony Service	2.3		Yes	S4	
Codec For Low Bitrate Multimedia Telephony Service	2.4		Yes	S4	
3G Audio-Visual Terminal Characteristics	2.5		Yes	S4	
Multimedia Messaging Service	3.1		Yes	OMA	
Location Services (A-GPS) R99	3.2	Alcatel, Ericsson, Lucent, Motorola, Nokia, Nortel Networks, Siemens	Yes	T1	Ongoing (only for the A-GPS solution so far)
Camel Phase 3	3.3		?	CN	
Short Message Service Enhancements	3.4		Yes	T1	Ongoing
Mobile Station Execution Environment	3.5	Motorola?	No	No testing (dead)	
Multicall	3.6	?	Yes	T1	
Open Service Architecture	3.7		?	CN	
Super Charger	3.8	Nortel	?	CN	
Follow Me	3.9	?	?	CN	
Synchronisation And Object Exchange	3.10	Motorola	Yes~~No~~	OMA~~(dead)~~	
AT commands for 3GPP	3.11.1	Ericsson	?	T2?	
Terminal Physical interfaces	3.11.2	Ericsson	No~~?~~	~~-T2?~~	

Multiplexer	3.11.3	Ericsson	?~~No~~	~~Think its dead (T2)~~ T2?	
Circuit Switched Bearer Services	3.12.1		?		
Frame Tunnelling Mode	3.12.2		?		
Access to ISPs and Intranets ñ Wireless/Remote access to LANs	3.12.3		?		
PHS Internet Access Forum Specification	3.12.4		?		
UICC / Terminal interface; Physical and logical characteristics	3.13.1		Yes	SCP	
Characteristics of the USIM application	3.13.2		Yes	T3	
UICC Application Identifiers	3.13.3		Yes	T3	
USIM Application Toolkit	3.13.4		Yes	T3?	
Specification of a bearer independent protocol for SAT applications to exchange data over the GSM network	3.13.5		Yes	T3?	
Specification of administrative commands and functions for IC cards	3.13.6		Yes	T3?	
USIM and UICC requirements	3.13.7		Yes	T3?	
Fraud Information Gathering Service	3.14.1		?		
Immediate Service Termination	3.14.2		?	GERAN?	
Dual Transfer Mode Within GSM And GPRS	4.1		?	GERAN?	
General Packet Radio Service Enhancements	4.2		?	GERAN?	
GSM On 400 MHz Frequency Band	4.3		?	GERAN?	
Enhanced Data Rates For GSM Evolution	4.4		?	GERAN?	
Enhanced GPRS	4.4.1		?~~No~~	GERAN?	
Enhanced Circuit Switched Data	4.4.2		?	GERAN?	

Support for EGPRS in ANSI-136 networksî and ìEDGE Compactî (for ANSI-136 networks only)	4.4.3		?	GERAN?	
Charging	5.1		?		
Operations, Administration, Maintenance And Provisioning	5.2		?		
Cell Broadcast Service	6.1		Yes	T1	Ongoing
GSM Mobile Number Portability Euro MNP / North American MNP	6.2		?		
Automatic Establishment Of Roaming Relations	6.3		?		
Advanced Addressing	6.4		?		
UMTS Numbering, Addressing And Identities	6.5		?		
Lawful Interception	6.6		?		