



Technical Document

GSM PROTOCOL STACK

G23

**GENTLE – GENERIC TEST AND LOGGING
ENVIRONMENT**

USERGUIDE

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Table of Contents

0	Document Control	4
0.1	Change History	4
0.2	List of Figures and Tables	4
0.3	List of References	4
0.4	Abbreviations	5
0.5	Terms	5
1	Introduction	6
2	Application Manual	6
3	Known problems and future tasks	6
3.1	Known bugs	7
3.2	„Soon implemented“	7
3.3	„Nice to have“	7

0 Document Control

0.1 Change History

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2001-Feb-26	RK		0.1	Being Processed	1
2003-Aug-21	RK		0.2	Draft	2

Notes:

1. Initial version
2. New Document Id introduced

0.2 List of Figures and Tables

0.3 List of References

- [GSM 2.30]** ETS 300 511: July 1995 (GSM 02.30 version 4.13.0)
 Man-Machine Interface (MMI) of the Mobile Station (MS), ETSI
- [XPAN]** 06-03-36-UDO, xPanel – MMI Test Application (PC)
 (xpan_userguide.doc)
- [MOAN_DD]** 06-03-53-SLL, MoanBtn – Instant GUI-problem Informer
 (mbtn_description.doc)
- [XM]** 06-03-55-UDO, XM –GUI-frontend for GPF m.bat (xm_userguide.doc)
- [PCO_UG]** 06-03-35-UDO, PCO2 – Tracing Environment (pco_userguide.doc)
- [GENTLE_D]** 06-03-47-SLL, GENTLE – Developers Description (gentle_description.doc)
- [TCGEN_I]** TCGen – Introduction (tcgen_intro.ppt)

0.4 Abbreviations

ACI	Application Control Interface (AT Commands)
G23	The Condat implementation of Layers 2 and 3 of the GSM Protocol Stack
G23 Target System	Hardware which executes G23
LCD	Liquid Crystal Display
MM	Mobility Management
MMI	Man Machine Interface
MOC	Mobile Originated Call
MTC	Mobile Terminated Call
PC	Personal Computer
PCO	Point of Control and Observation
PIN	Personal Identification Number
RS232	Serial Communication Standard
Target System	Shortened form of 'G23 Target System'
TCGEN	TestCase Generator
GENTLE	GENeric Test and Logging Environment

0.5 Terms

Entity	Program which executes the functions of a layer
Message	A message is a data unit which is transferred between the entities of the same layer (peer-to-peer) of the mobile and infrastructure side. Message is used as a synonym to protocol data unit (PDU). A message may contain several information elements.
Primitive	A primitive is a data unit which is transferred between layers on one component (mobile station or infrastructure). The primitive has an operation code which identifies the primitive and its parameters.
Service Access Point	A Service Access Point is a data interface between two layers on one component (mobile station or infrastructure).

1 Introduction

GenTLE - acronym for Generic Test and Logging Environment - is a GUI-Frame for any kind of testing application. One main feature is the possibility to dock the windows of other programs into the gentle main window.

This userguide is currently under construction.

Interested developers may see [GENTLE_D].

2 Application Manual

2.1 Environment / Installation

For use under Windows:

2.2 Getting Started

2.3 Command Line Parameters and ini-files

gentle.ini
gentle_xxx.xml

2.4 Working with GENTLE

2.4.1 ...

3 Known problems and future tasks

This paragraph is meant to show which bugs are already found (but not removed yet) and to provide an impression of future plans concerning this product.

3.1 Known bugs

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3.2 „Soon implemented“

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3.3 „Nice to have“

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Appendices

A. Acronyms

DS-WCDMA Direct Sequence/Spread Wideband Code Division Multiple Access

B. Glossary

International Mobile Telecommunication 2000 (IMT-2000/ITU-2000) Formerly referred to as FPLMTS (Future Public Land-Mobile Telephone System), this is the ITU's specification/family of standards for 3G. This initiative provides a global infrastructure through both satellite and terrestrial systems, for fixed and mobile phone users. The family of standards is a framework comprising a mix/blend of systems providing global roaming. <URL: <http://www.imt-2000.org/>>