



Technical Document

GSM PROTOCOL STACK

G23

GDI – GENERIC DRIVER INTERFACE

LIST OF DOCUMENTS AND RESPONSIBILITIES

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1. Initial version
2. STE and GSI added, status update
3. Obsolete docs marked as removed, made armio obsolete

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List of References

- [ISO 9000:2000]** International Organization for Standardization. Quality management systems – Fundamentals and vocabulary. December 2000

1 Introduction

G23 is a software package implementing Layers 2 and 3 of the ETSI-defined GSM air interface signaling protocol, and as such represents the part of a GSM mobile station's protocol software which is both, platform and manufacturer independent. Therefore, G23 can be viewed as a building block providing standardized functionality through generic interfaces for easy integration.

The G23 suite of products consists of the following items:

- Layers 2 and 3 for speech & short message services,
- Layers 2 and 3 for fax & data services,
- Application Control Interface/AT Command Interface,
- MMI and MMI Framework (MFW) and
- Test and integration support tools.

This document lists all GDI documents and their responsibilities.

2 GDI Document Table

Each GDI documents is assigned to a team according to the following table. The team leaders are responsible for defining the ownership for each document assigned to the team.

The standard naming scheme for new GDI documents is xxx_api.doc . Due to historical reasons some document names do not follow this rule (yet).

Team	Driver	Description	Doc Name	Doc State	Remark
GPF	GDI	master document	8415_026.doc	released	
	EMMI	EMMI layer 2 protocol	8415_003.doc	to be reviewed	
	SER	serial interface driver	ser_api.doc	released	
	Socket	socket interface	6392_199_socket.doc	released	
	TIF	test interface protocol	tif_api.doc	released	
	UART	UART 16C750	8415_066_uart.doc	obsolete	removed !
	USART	USART 82151	8415_002.doc	obsolete	removed !
	GSI	general serial interface	gsi_api.doc	released	will replace SERFD, SER
G23	ARM7IO	ARM7 control bits	armio_api.doc	obsolete	do not deliver !
V&S	field strength	get field strength data	8415_035.doc	released	
	PCM	permanent config memory	8415_001.doc	released	
	SIM	sim card driver	8415_222.doc	released	
G23	SERFD	serial interf. for fax&data	serfd_api.doc	released	
F&D	UARTFAX	UART 16C750 driver for fax & data	8415_067_uart_fax.doc	obsolete	removed !
	USARTFAX	USART 82151 driver for fax & data	8415_068_usart_fax.doc	obsolete	removed !
G23	Audio	microphone/speaker/	8415_008.doc	to be	

ACI		buzzer control layer		reviewed	
	Battery	battery+power management.	8415_010.doc	to be reviewed	
	Buzzer	buzzer driver	buzzer_api.doc	to be reviewed	
	Clock	real time clock	8415_004.doc	released	
	Display	LCD text and graphics	8415_025.doc	to be reviewed	
	Keyboard	keyboard input	8415_009.doc	to be reviewed	
	Light	back light and LEDs	8415_005.doc	to be reviewed	
	Timer	hardware timer	timer_api.doc	to be reviewed	
	Vib	vibrator	8415_006.doc	released	
	Status	query status	ste_api.doc	released	

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/>>