

SLOVENSKI STANDARD SIST ETS 300 642 E3:2003

01-december-2003

8][]HUb]'WY] b]'HY`Y_caib]_UW]'g_]'g]ghYa'fZUnU'&L'Ë'BUVcf'i_Uncj'5H'nU'; GAacV]`bc`cdfYac'fA9L'fl; GA'\$+"\$+z̃fUn`]]WU'("'%L

Digital cellular telecommunications system (Phase 2) (GSM); AT command set for GSM Mobile Equipment (ME) (GSM 07.07 version 4.3.1)

iTeh STANDARD PREVIEW (standards.iteh.ai)

Ta slovenski standard je istoveten SIST ETS 300 642 Edition 3. Tella slovenski standards je istoveten za ogstandards sist 300 642 Edition 3. Tella slovenski standards sist 300 642 Edition 3. Tella slovenski slovenski

721db8c2e6f2/sist-ets-300-642-e3-2003

ICS:

33.070.50 Globalni sistem za mobilno Global System for Mobile

telekomunikacijo (GSM) Communication (GSM)

SIST ETS 300 642 E3:2003 en

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST ETS 300 642 E3:2003

 $https://standards.iteh.ai/catalog/standards/sist/55ce7ab7-d905-42a9-87ef-\\721db8c2e6f2/sist-ets-300-642-e3-2003$



EUROPEAN TELECOMMUNICATION STANDARD

ETS 300 642

October 1998

Third Edition

Source: SMG Reference: RE/SMG-040707PR2

ICS: 33.020

Key words: Digital cellular telecommunications system, Global System for Mobile communications (GSM)



Digital cellular telecommunications system (Phase 2);
AT command set for GSM Mobile Equipment (ME)

(GSM 07.07 version 4.3.1)

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

Internet: secretariat@etsi.fr - http://www.etsi.org

Tel.: +33 4 92 94 42 00 - Fax: +33 4 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

Page 2 ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST ETS 300 642 E3:2003</u> https://standards.iteh.ai/catalog/standards/sist/55ce7ab7-d905-42a9-87ef-721db8c2e6f2/sist-ets-300-642-e3-2003

Whilst every care has been taken in the preparation and publication of this document, errors in content, typographical or otherwise, may occur. If you have comments concerning its accuracy, please write to "ETSI Standards Making Support Dept." at the address shown on the title page.

ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

Contents

For	ewora		5
1	Scope	.	7
2	Refere	ences	7
3	Abbre	viations and definitions	9
	3.1	Abbreviations	9
	3.2	Definitions	9
4	AT co	mmand syntax	10
	4.1	Command line	
	4.2	Information responses and result codes	
	4.3	ITU-T V.25ter [14] TE-TA interface commands	
5	Gener	ral commands	11
	5.1	Request manufacturer identification +CGMI	
	5.2	Request model identification +CGMM	
	5.3	Request revision identification +CGMR	
	5.4	Request product serial number identification +CGSN	
	5.5		
	5.6	Select TE character set +CSCSITU-T V.25ter [14] generic TA control commands./	14
	5.7	PCCA STD-101 [17] select wireless network +WS46	14
	5.8	Informative examples n.d.a.r.ds.iteh.ai	
6	Call co	ontrol commands and methods	17
U	6 1	ontrol commands and methods Select type of address +CSTA 00 642 E3:2003 ITU-T V:25ter [14] dial command D sist/55ce7ab7-d905-42a9-87ef- Direct dialing from phonebooks ts-300-642-e3-2003	
	6.7	Hittps://grapelards.irgh.arcatalog/standards/sist/55ce7ab7-d905-42a9-87ef-	
	6.2	Direct dialing from phonehood ets-300-642-e3-2003	
	6.4	Call mode +CMOD	10 10
	6.5	Hangup call +CHUP	
	6.6	Alternating mode call control method	
	6.7	Select bearer service type +CBST	
	6.8	Radio link protocol +CRLP	
	6.9	Service reporting control +CR	
	6.10	Extended error report +CEER	
	6.11	Cellular result codes +CRC	
	6.12	ITU-T V.25ter [14] call control commands	
	6.13	ITU-T V.25ter [14] data compression commands	
	6.14	Informative examples	26
7	Nlatura	all comittee related comments	20
1	7.1	ork service related commands	
	7.2	Network registration +CREG	
	7.3	Operator selection +COPS	
	7.4	Facility lock +CLCK	
	7.5	Change password +CPWD	
	7.6	Calling line identification presentation +CLIP	
	7.7	Calling line identification restriction +CLIR	
	7.8	Connected line identification presentation +COLP	
	7.9	Closed user group +CCUG	35
	7.10	Call forwarding number and conditions +CCFC	
	7.11	Call waiting +CCWA	
	7.12	Call hold and multiparty +CHLD	
	7.13	Call transfer +CTFR	
	7.14	Unsupported GSM supplementary services	
	7.15	Informative examples	39

Page 4 ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

8	Mobile Equip	ment control and status commands	41
		one activity status +CPAS	
	8.2 Set	phone functionality +CFUN	42
	8.3 Ent	er PIN +CPIN	43
		tery charge +CBC	
	8.5 Sig	nal quality +CSQ	44
	8.6 Mol	oile Equipment control mode +CMEC	45
		pad control +CKPD	
		play control +CDIS	
		cator control +CIND	
		oile Equipment event reporting +CMER	
		ect phonebook memory storage +CPBS	
		ad phonebook entries +CPBR	
		d phonebook entries +CPBF	
		te phonebook entry +CPBW	
		ck +CCLK	
		rm +CALA	
		neric SIM access +CSIM	
	8.18 Info	rmative examples	56
^	NA . L. T T		00
9		oment errors	
		port Mobile Equipment error +CMEE	
	9.2 Mol	pile Equipment error result code +CME ERROR Irmative examples	00
	9.3 Info	irriative examples	01
Anno	x A (normative	e): Summary of commands from other standards	62
Aille	X A (HOITHauve	y. Summary of commands from other standards	02
Anne	x B (normative	Summary of result codes	64
AIIIC	X D (Horritative	Summary of result codes	
Anne	x C (informativ		
C.1	Select mode	re): Commands from TIA IS-101+FCLASS(Standards.iteh.ai)	66
C.2		old setting +VBT	
C.3		er ID presentation +VCID SIST FIS 300 642 F3 2003	
C.4		selection +VGR dands itch ai/eatalog/standards/sixt/55cc7ah7-d905-42a9-87cf	
C.5		n selection +VGT721-tb8c2e6f2/sist-ets-300-642-e3-2003	
C.6	Initialise voice	e parameters +VIP	68
C.7		er +VIT	
C.8	Line selection	n +VLS	68
C.9	Receive data	state +VRX	70
C.10	Select compr	ession method +VSM	70
		ne generation +VTS	
C.12	Tone duration	า +VTD	71
C.13	Transmit data	a state +VTX	71
	- 4 4		
Anne	x D (informativ	e): Bibliography	72
	E (. (A NATIONAL STREET, I SHOW A STREET, I SHOW A STREET, A S	70
Anne	x E (informativ	e): Mobile originated alternating voice/data call example	
Anna	v E /informativ	a). Mahila terminated vaice followed by data cell example	7.1
A11116	x F (informativ	e): Mobile terminated voice followed by data call example	/4
Anne	x G (informativ	ve): Voice call example	75
, 11110	x 5 (iiiioiiiiati)	oj. voice can example	
Anne	x H (informativ	re): Change history	76
10	z i (iiiioiiiiativ	o, onango motory minimum	
	rv		77

ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

Foreword

This European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) of the European Telecommunications Standards Institute (ETSI).

This ETS specifies a profile of AT commands and recommends that this profile be used for controlling Mobile Equipment (ME) functions and GSM network services from a Terminal Equipment (TE) through Terminal Adaptor (TA) for the Digital cellular telecommunications system.

Transposition dates			
Date of adoption of this ETS:	23 October 1998		
Date of latest announcement of this ETS (doa):	31 January 1999		
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 July 1999		
Date of withdrawal of any conflicting National Standard (dow):	31 July 1999		

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST ETS 300 642 E3:2003

https://standards.iteh.ai/catalog/standards/sist/55ce7ab7-d905-42a9-87ef-721db8c2e6f2/sist-ets-300-642-e3-2003

Page 6

ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

Blank page

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST ETS 300 642 E3:2003

https://standards.iteh.ai/catalog/standards/sist/55ce7ab7-d905-42a9-87ef-721db8c2e6f2/sist-ets-300-642-e3-2003

1 Scope

This European Telecommunications Standard (ETS) specifies a profile of AT commands and recommends that this profile be used for controlling Mobile Equipment (ME) functions and GSM network services from a Terminal Equipment (TE) through Terminal Adaptor (TA). The command prefix +C is reserved for Digital Cellular in ITU-T Recommendation V.25ter [14]. This ETS has also the syntax details used to construct these extended GSM commands. Commands from ITU-T Recommendation V.25ter [14] and existing digital cellular standards (TIA IS-99 [15] and TIA IS-135 [16]) are used whenever applicable. Some of the new commands are defined such way that they can be easily applied to ME of networks other than GSM. ITU-T T.31 [11] and ITU-T T.32 [12] fax AT commands may be used for GSM fax transmission from TE.

This ETS assumes an abstract architecture comprising a TE (e.g. a computer) and a ME interfaced by a TA (see figure 1). The span of control of the defined commands should allow to handle any physical implementation that this abstract architecture may lead to:

- TA, ME and TE as three separate entities;
- TA integrated under the ME cover, and the TE implemented as a separate entity;
- TA integrated under the TE cover, and the ME implemented as a separate entity;
- TA and ME integrated under the TE cover as a single entity.

The commands described in this ETS may be observed on the link between the TE and the TA. However, most of the commands retrieve information about the ME, not about the TA.

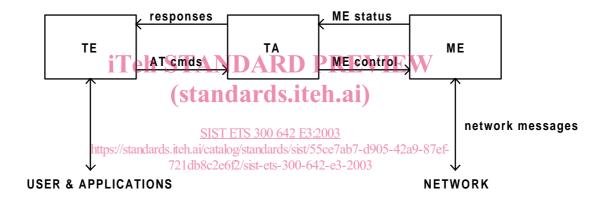


Figure 1: Setup

Interface between TE and TA is intended to operate over existing serial (ITU-T Recommendation V.24) cables, infrared link, and all link types with similar behaviour. For correct operation many of the defined commands require eight bit data and therefore it is recommended that TE-TA link is set to eight bits/ byte mode. (For infrared operation implementation refer informative references IrDA and TIA-617.) Interface between TA and ME is dependent on the interface in the ME.

2 References

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] GSM 02.02 (ETS 300 501): "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [2] GSM 02.03 (ETS 300 502): "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".

Page 8 ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

[3]	GSM 02.81 (ETS 300 514): "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 1".
[4]	GSM 02.82 (ETS 300 515): "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 1".
[5]	GSM 02.83 (ETS 300 516): "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 1".
[6]	GSM 02.88 (ETS 300 520): "Digital cellular telecommunication system (Phase 2); Call Barring (CB) supplementary services - Stage 1".
[7]	GSM 03.03 (ETS 300 523): "Digital cellular telecommunication system (Phase 2); Numbering, addressing and identification".
[8]	GSM 04.08 (ETS 300 557): "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 specification".
[9]	GSM MoU SE.13, GSM MoU Association Permanent Reference Document SE.13 (October 1994): "GSM Mobile Network Codes and Names".
[10]	ITU-T Recommendation E.212: "Identification plan for land mobile stations".
[11]	ITU-T Recommendation T.31: "Asynchronous facsimile DCE control, service class 1".
[12]	ITU-T Recommendation T.32: "Asynchronous facsimile DCE control, service class 2".
[13]	ITU-T Recommendation T.50: "International Reference Alphabet (IRA) (Formerly International Alphabet No. 5 or IA5) - Information technology - 7-bit coded character set for information exchange". https://standards.iteh.ai/catalog/standards/s5ce7ab7-d905-42a9-87ef-
[14]	ITU-T Draft new Recommendation - V-25ter 0 "Serial asynchronous automatic dialling and control".
[15]	Telecommunications Industry Association TIA IS-99: "Data Services Option Standard for Wideband Spread Spectrum Digital Cellular System".
[16]	Telecommunications Industry Association TIA IS-135: "800 MHz Cellular Systems, TDMA Services, Async Data and Fax".
[17]	Portable Computer and Communications Association PCCA STD-101 Data Transmission Systems and Equipment: "Serial Asynchronous Automatic Dialing and Control for Character Mode DCE on Wireless Data Services"
[18]	GSM 04.22 (ETS 300 563): "Digital cellular telecommunication system (Phase 2); Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface".
[19]	GSM 02.30 (ETS 300 511): "Digital cellular telecommunication system (Phase 2); Man Machine Interface (MMI) of the Mobile Station (MS)".
[20]	GSM 05.08 (ETS 300 578): "Digital cellular telecommunication system (Phase 2); Radiosubsystem link control".
[21]	GSM 02.85 (ETS 300 518): "Digital cellular telecommunication system (Phase 2); Closed User Group (CUG) supplementary services - Stage 1".

[22] GSM 02.84 (ETS 300 517): "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 1".

3 Abbreviations and definitions

3.1 Abbreviations

For the purposes of this ETS the following abbreviations apply:

AT ATtention: this two-character abbreviation is always used to start a command line to be

sent from TE to TA

BCD Binary Coded Decimal ETSI European Telecommunic

ETSI European Telecommunications Standards Institute IMEI International Mobile station Equipment Identity IRA International Reference Alphabet (ITU-T T.50 [13])

IrDA Infrared Data Association

ISO International Standards Organisation

ITU-T International Telecommunication Union - Telecommunications Standardization Sector

ME Mobile Equipment, e.g. a GSM phone (equal to MS; Mobile Station)

MoU Memorandum of Understanding (GSM operator joint)
PCCA Portable Computer and Communications Association

RLP Radio Link Protocol SIM Subscriber Identity Module

TA Terminal Adaptor, e.g. a GSM data card (equal to DCE; Data Circuit terminating

Equipment)

TE Terminal Equipment, e.g. a computer (equal to DTE; Data Terminal Equipment)

TIA Telecommunications Industry Association

3.2 Definitions Teh STANDARD PREVIEW

For the purposes of this ETS the following syntactical definitions apply (refer also clause 4):

<CR> Carriage return character, which value is specified with command S3.

https://standards.iteh.ai/catalog/standards/sist/55ce7ab7-d905-42a9-87ef-

<LF> Linefeed character, which value is specified with command S4.

<...> Name enclosed in angle brackets is a syntactical element. Brackets themselves

do not appear in the command line.

[...] Optional subparameter of a command or an optional part of TA information

response is enclosed in square brackets. Brackets themselves do not appear in the command line. When subparameter is not given in *parameter type* commands, new value equals to its previous value. In *action type* commands, action should be done on the basis of the recommended default setting of the

subparameter.

underline Underlined defined subparameter value is the recommended default setting of

this subparameter. In *parameter type* commands, this value should be used in factory settings which are configured by V.25ter [14] command &F0. In *action type* commands, this value should be used when subparameter is not given.

ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

4 AT command syntax

This clause summarizes general aspects on AT commands and issues related to them. For further information refer ITU-T Recommendation V.25ter [14].

4.1 Command line

See figure 2 for general structure of a command line. Standardized *basic* commands are found only in V.25ter [14]. GSM commands use syntax rules of *extended* commands. Every extended command has a *test command* (trailing =?) to test the existence of the command and to give information about the type of its subparameters. *Parameter type* commands also have a *read command* (trailing ?) to check the current values of subparameters. *Action type* commands do not store the values of any of their possible subparameters, and therefore do not have a read command.

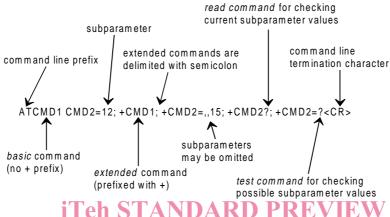


Figure 2: Basic structure of a command line (standards.iteh.ai)

If verbose responses are enabled with command V1 and all commands in a command line has been performed successfully, result code <CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR><LF>OK<CR> is sent instead.

If verbose responses are enabled with command V1 and subparameter values of a command are not accepted by the TA (or command itself is invalid, or command cannot be performed for some reason), result code <CR><LF>ERROR<CR><LF> is sent to the TE and no subsequent commands in the command line are processed. If numeric responses are enabled with command V0, result code 4<CR> is sent instead. ERROR (or 4) response may be replaced by +CME ERROR: <err> (refer clause 9) when command was not processed due to an error related to ME operation.

4.2 Information responses and result codes

The TA response for the example command line of figure 2 could be as shown in figure 3. Here, verbose response format is enabled with command V1. If numeric format V0 would have been used, <CR><LF> headers of *information response*s would have been left out and *final result code* changed to 0<CR>.

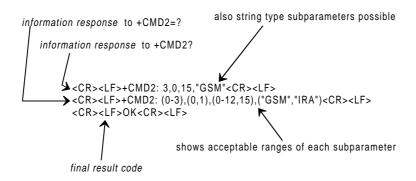


Figure 3: Response to a command line

So called *intermediate result code*s inform about progress of TA operation (e.g. connection establishment CONNECT), and so called *unsolicited result code*s indicate occurrence of an event not directly associated with issuance of a command from TE (e.g. ring indication RING).

4.3 ITU-T V.25ter [14] TE-TA interface commands

Table 1 summarizes V.25ter [14] commands relating to command line and response formatting, and TA-TE interface operation. All are applicable to GSM terminals.

Table 1: V.25ter commands relating to TE-TA interface

Command	Section	Impl.	Use in GSM
S3=[<value>]</value>	6.2.1	mand.	command line termination character (mandatory default setting IRA 13)
S4=[<value>]</value>	6.2.2	mand.	response formatting character (recommended default IRA 10)
S5=[<value>]</value>	6.2.3	mand.	command line editing character (recommended default IRA 8)
E[<value>]</value>	6.2.4	mand.	command echo (recommended default 1 i.e. TA echoes commands back)
Q[<value>]</value>	6.2.5	mand.	result code suppression (recommended default 0 i.e. TA transmits result codes)
V[<value>]</value>	6.2.6	mand.	TA response format (recommended default 1 i.e. verbose format)
X[<value>]</value>	6.2.7	mand.	defines CONNECT result code format; values manufacturer specific
&C[<value>]</value>	6.2.8	mand.	determines how ITU-T V.24 circuit 109 (or equivalent) relates to the detection of received line signal from remote end (recommended default 1 i.e. 109 operation relates to detection of received signal)
&D[<value>]</value>	6.2.9 iTeh		determines how TA responds when ITU-T V.24 circuit 108/2 (or equivalent) is changed from ON to OFF condition during online data state
+IPR=[<value>]</value>	6.2.10	opt.St	fixed TE data rate (recommended default 0 i.e. automatic detection)
+ICF=[<format> [,<parity>]]</parity></format>	6.2.11	opt.	TE-TA character framing (recommended default 3,3 i.e. eight data bits, no parity, 1 stop bit)
+IFC=[<by_te> htt</by_te>	6:2:112 dar	opt _{eh.a} 721db	TE-TA local flow control (recommended default 2,2 i.e. TE uses ITU-T V-24 circuit 133 (or equivalent), and TA circuit 106 (or equivalent))
+ILRR=[<value></value>	6.2.13	opt.	determines whether the used local TE-TA data rate is informed using intermediate result code +ILRR: <rate> before going online data state after call answering or originating</rate>

5 General commands

ITU-T Recommendation V.25ter [14] includes 'Generic DCE Control' commands with the prefix +G. These commands are for the identification of the TA. Four of those commands are adapted here to be the identification commands of the ME. Syntax is otherwise similar but the prefix is +CG. TIA IS-99 [15] uses same commands for ME identification.

5.1 Request manufacturer identification +CGMI

Table 2: +CGMI action command syntax

Command	Possible response(s)
+CGMI	<manufacturer></manufacturer>
	+CME ERROR: <err></err>
+CGMI=?	

Description

Execution command causes the TA to return one or more lines of information text <manufacturer>, determined by the ME manufacturer, which is intended to permit the user of the TA to identify the manufacturer of the ME to which it is connected to. Typically, the text will consist of a single line containing the name of the manufacturer, but manufacturers may choose to provide more information if desired. Refer subclause 9.2 for possible <err> values.

Page 12

ETS 300 642 (GSM 07.07 version 4.3.1): October 1998

Defined values

<manufacturer>: the total number of characters, including line terminators, in the information text shall not exceed 2048 characters.

Text shall not contain the sequence 0<CR> or OK<CR>

Implementation

Optional.

5.2 Request model identification +CGMM

Table 3: +CGMM action command syntax

Command	Possible response(s)
+CGMM	<model></model>
	+CME ERROR: <err></err>
+CGMM=?	

Description

Execution command causes the TA to return one or more lines of information text <model>, determined by the ME manufacturer, which is intended to permit the user of the TA to identify the specific model of the ME to which it is connected to. Typically, the text will consist of a single line containing the name of the product, but manufacturers may choose to provide more information if desired. Refer subclause 9.2 for possible <err> values.

Defined values

iTeh STANDARD PREVIEW

<model>: the total number of characters, including line terminators, in the information text shall not exceed 2048 characters.

SIST ETS 300 642 E3:2003

Text shall not contain the sequence of CR≥lori OK dCR≥andards/sist/55ce7ab7-d905-42a9-87ef-721db8c2e6f2/sist-ets-300-642-e3-2003

Implementation

Optional.

5.3 Request revision identification +CGMR

Table 4: +CGMR action command syntax

Command	Possible response(s)
+CGMR	<revision></revision>
	+CME ERROR: <err></err>
+CGMR=?	

Description

Execution command causes the TA to return one or more lines of information text revision>, determined by the ME manufacturer, which is intended to permit the user of the TA to identify the version, revision level or date, or other pertinent information of the ME to which it is connected to. Typically, the text will consist of a single line containing the version of the product, but manufacturers may choose to provide more information if desired. Refer subclause 9.2 for possible <err> values.

Defined values

<revision>: the total number of characters, including line terminators, in the information text shall not exceed 2048 characters.

Text shall not contain the sequence 0<CR> or OK<CR>

Implementation

Optional.

5.4 Request product serial number identification +CGSN

Table 5: +CGSN action command syntax

Command	Possible response(s)		
+CGSN	<sn></sn>		
	+CME ERROR: <err></err>		
+CGSN=?			

Description

Execution command causes the TA to return one or more lines of information text <sn>, determined by the ME manufacturer, which is intended to permit the user of the TA to identify the individual ME to which it is connected to. Typically, the text will consist of a single line containing the IMEI (International Mobile station Equipment Identity; refer GSM 03.03 [7]) number of the ME, but manufacturers may choose to provide more information if desired. Refer subclause 9.2 for possible <err> values.

Defined values

iTeh STANDARD PREVIEW

<sn>: the total number of characters, including line terminators, in the information text shall not exceed 2048 characters.

SIST ETS 300 642 E3:2003

Text shall not contain the sequence 0 < CR > or OK < CR > /55ce7ab7-d905-42a9-87ef-

721db8c2e6f2/sist-ets-300-642-e3-2003

Implementation

Optional.

5.5 Select TE character set +CSCS

Table 6: +CSCS parameter command syntax

Command	Possible response(s)
+CSCS=[<chset>]</chset>	
+CSCS?	+CSCS: <chset></chset>
+CSCS=?	+CSCS: (list of supported <chset>s)</chset>

Description

Set command informs TA which character set <chset> is used by the TE. TA is then able to convert character strings correctly between TE and ME character sets.

When TA-TE interface is set to 8-bit operation and used TE alphabet is 7-bit, the highest bit shall be set to zero.

NOTE: It is manufacturer specific how the internal alphabet of ME is converted to/from the TE alphabet.

Read command shows current setting and test command displays conversion schemes implemented in the TA.