

Agenda Item: 5.3.3
Source: T3
Title: CRs to TS 51.014
Document for: approval

This document contains the following change requests that are approved by 3GPP TSG T3 and forwarded to 3GPP TSG T#26 for approval:

Doc-2nd-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Workitem
T3-040841	51.014	007	-	Rel-4	Correction for non 3GPP references	F	4.4.0	4.5.0	TEI4
T3-040852	51.014	008	-	Rel-4	Rel-4 Addition of Provide Local Information (Access technology)	F	4.4.0	4.5.0	TEI4

CHANGE REQUEST

⌘ **51.014 CR 007** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Correction for non 3GPP references		
Source:	⌘ T3		
Work item code:	⌘ TEI4	Date:	⌘ 18/11/2004
Category:	⌘ F	Release:	⌘ Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	Ph2 (GSM Phase 2)	
	A (corresponds to a correction in an earlier release)	R96 (Release 1996)	
	B (addition of feature),	R97 (Release 1997)	
	C (functional modification of feature)	R98 (Release 1998)	
	D (editorial modification)	R99 (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)
			Rel-7 (Release 7)

Reason for change:	⌘ During last T3 meeting, it was agreed to indicate which release of ETSI TS 102 223 was referred to, to avoid potential troublesome mix of releases when implementing toolkit.
Summary of change:	⌘ A clear reference to the release for ETSI TS 102 223 is added.
Consequences if not approved:	⌘ Possible mix and misimplementation of the specification.

Clauses affected:	⌘ 2										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
	Y	N									
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test specifications	⌘							
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	O&M Specifications	⌘							
Other comments:	⌘										

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

- [1] not used
- [2] 3GPP TS 01.04: "Abbreviations and acronyms".
- [3] 3GPP TS 42.017: "Subscriber Identity Modules (SIM) Functional characteristics".
- [4] 3GPP TS 22.030: "Man-Machine Interface (MMI) of the Mobile Station (MS)".
- [5] 3GPP TS 23.038: "Alphabets and language-specific information".
- [6] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS) Point-to-Point (PP)".
- [7] 3GPP TS 23.041: "Technical realization of Short Message Service Cell Broadcast (SMSCB)".
- [8] 3GPP TS 04.08: "Mobile radio interface layer 3 specification".
- [9] 3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".
- [10] 3GPP TS 24.080: "Mobile radio interface layer 3 supplementary services specification; Formats and coding".
- [11] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core network protocols; Stage 3"
- [12] not used
- [13] GSM 09.91: "Digital cellular telecommunications system; Interworking aspects of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface between Phase 1 and Phase 2".
- [14] (void)
- [15] ITU-T Recommendation E.164: "Numbering plan for the ISDN era".
- [16] ISO/IEC 7816-3 (1997): "Identification cards - Integrated circuit(s) cards with contacts, Part 3: Electronic signals and transmission protocols".
- [17] ISO/IEC 7816-6 (1995): "Identification cards - Integrated circuit(s) cards with contacts, Part 6 Inter-industry data elements".
- [18] 3GPP TS 02.40: "Procedures for call progress indications".
- [19] 3GPP TS 02.07: "Mobile Stations (MS) features".
- [20] 3GPP TS 51.011: "Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".
- [21] 3GPP TS 11.12: "Digital cellular telecommunications system (Phase 2); Specification of the 3 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

- [22] 3GPP TS 43.022: "Functions related to Mobile Station (MS) in idle mode and group receive mode".
- [23] 3GPP TS 24.007: "Mobile radio interface signalling layer 3; General aspects".
- [24] 3GPP TS 23.048: "Security Mechanisms for the (U)SIM application toolkit; Stage 2".
- [25] ISO/IEC 7816-4 (1995): "Identification cards - Integrated circuit(s) cards with contacts, Part 4: Inter-industry commands for interchange".
- [26] 3GPP TS 22.042: "Network identity and timezone; Service description; Stage 1".
- [27] 3GPP TS 27.007: "AT command set for GSM Mobile Equipment (ME)".
- [28] 3GPP TS 03.22: "Functions related to Mobile Station (MS) in idle mode and group receive mode".
- [29] ISO 639 (1988): "Code for the representation of names of languages".
- [30] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS); Point-to-Point (PP)".
- [31] 3GPP TS 22.002: "Digital cellular telecommunication system (Phase 2+); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [32] IETF RFC 1738: "Uniform Resource Locators (URL)", Berners-Lee T, et al., December 1994.
- [33] IETF RFC 768 "User Datagram Protocol (UDP)".
- [34] IETF RFC 793 "Transmission Control Protocol (TCP)".
- [35] TIA/EIA-136-123 "Third Generation Wireless – Digital Control Channel Layer 3, April 23, 2001".
- [36] 3GPP TS 23.003: "Numbering, addressing and identification".
- [37] ETSI TS 102 223: "Smart cards; Card Application Toolkit (CAT) [\(Release 4\)](#)".
- [38] 3GPP TS 22.001: "Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)".

CHANGE REQUEST

51.014 CR 008 # rev **-** # Current version: **4.4.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# CR 51.014, Rel-4 Addition of Provide Local Information (Access technology)		
Source:	# T3		
Work item code:	# TEI	Date:	# 18/11/2004
Category:	# F	Release:	# Rel-4
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: Ph2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) Rel-7 (Release 7)

Reason for change:	# Provide Local Information (Access technology) has by mistake not been included in 51.014, even though the intention was that 51.014 and 31.111 should have the same feature set. Also, 51.014 does contain the "Access technology changed" event, but this feature is essentially useless without Provide Local Information (Access technology); if only the "Access technology changed" event is available, it is impossible for the toolkit application to get information about the initial condition.
Summary of change:	# Provide Local Information (Access technology) is introduced in 51.014.
Consequences if not approved:	# - Inconsistency between 51.014 and 31.111. - Applications can get the "Access technology changed" event, but can not inquire about the presently used technology.

Clauses affected:	# 5.2, 6.4.15										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N	#	X	#	X	#	X		
Y	N										
#	X										
#	X										
#	X										
Other comments:	#										

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5.2 Structure and coding of TERMINAL PROFILE

Direction: ME to SIM

The command header is specified in TS 51.011 [20].

Command parameters/data:

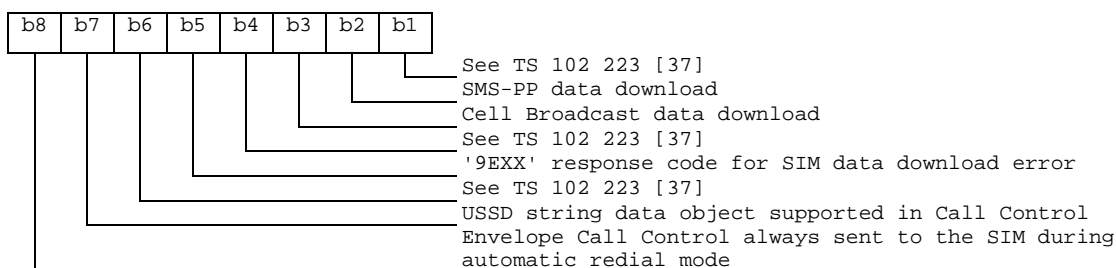
Description	Section	M/O	Length
Profile	-	M	lgth

- Profile:
Contents: The list of SIM Application Toolkit facilities that are supported by the ME.

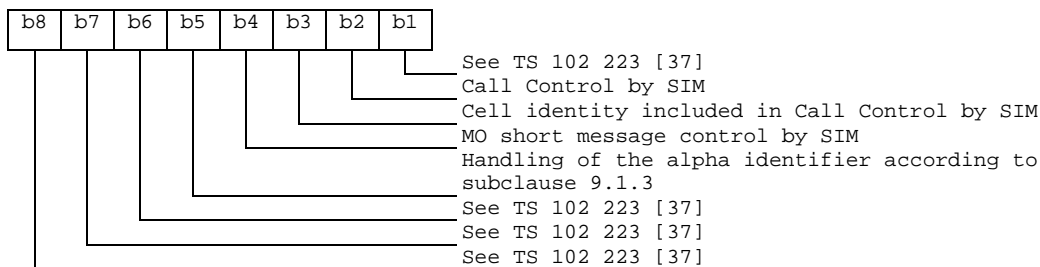
Coding:

1 bit is used to code each facility:
bit = 1: facility supported by ME
bit = 0: facility not supported by ME

First byte (Download):

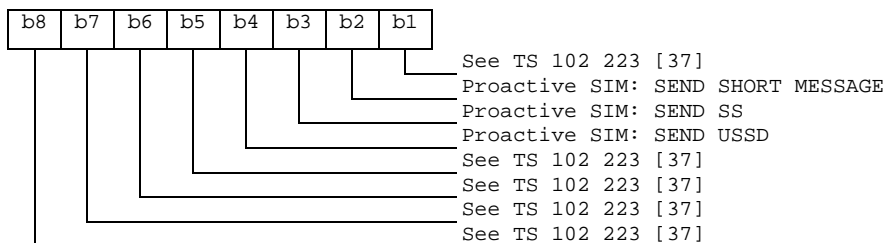


Second byte (Other):



Third byte (Proactive SIM): See TS 102 223 [37]

Fourth byte (Proactive SIM):

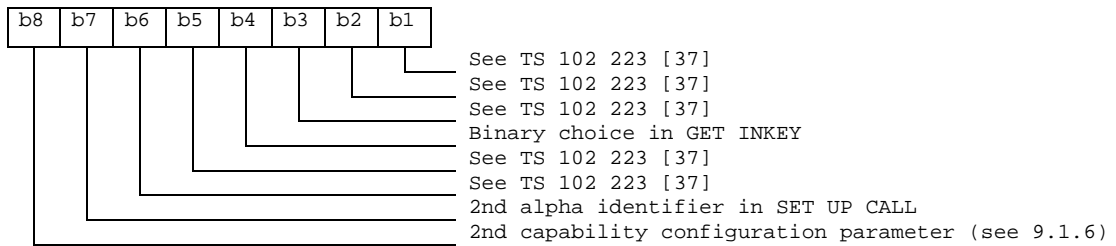


Fifth byte (Event driven information): see TS 102 223 [37]

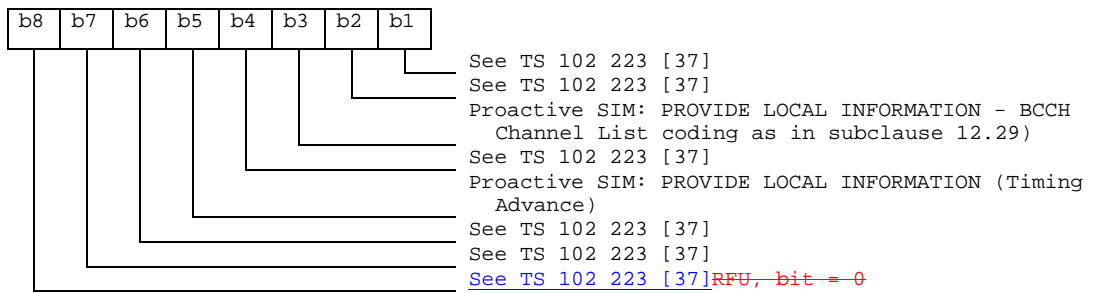
Sixth byte (Event driven information extensions): see TS 102 223 [37]

Seventh byte (Multiple card proactive commands) for class "a": see TS 102 223 [37]

Eighth byte (Proactive SIM):



Ninth byte:

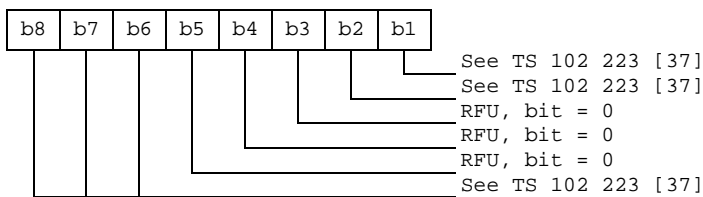


Tenth byte (Soft keys support): see TS 102 223 [37]

Eleventh byte (Soft keys information): see TS 102 223 [37]

Twelfth byte (Bearer Independent protocol proactive commands (class "e")): see TS 102 223 [37]

Thirteenth byte (Bearer Independent protocol supported bearers (class "e")):



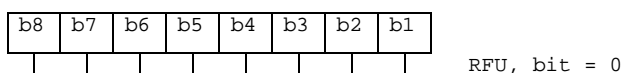
Fourteenth byte (Screen height): see TS 102 223 [37]

Fifteenth byte (Screen width): see TS 102 223 [37]

Sixteenth byte (Screen effects): see TS 102 223 [37]

Seventeenth byte (Bearer independent protocol supported transport interface) for class "e": see TS 102 223 [37]

Eighteenth byte: (Reserved):



Nineteenth byte: (reserved for TIA/EIA-136 facilities): see TS 102 223 [37]

Subsequent bytes: see TS 102 223 [37]

Response parameters/data: None.

----- next change -----

6.4.15 PROVIDE LOCAL INFORMATION

This command requests the ME to send current local information to the SIM. At present, this information is restricted to:

- location information: the mobile country code (MCC), mobile network code (MNC), location area code (LAC) and cell ID of the current serving cell;
- the IMEI of the ME;
- the Network Measurement Results and the BCCH channel list;
- the current date, time and time zone;
- the current ME language setting;
- ~~- and the Timing Advance;~~
- and the current access technology.

The ME shall return the requested local information within a TERMINAL RESPONSE. Where location information or Network Measurement Results has been requested and no service is currently available, then the ME shall return TERMINAL RESPONSE (ME currently unable to process command - no service). Where location information or Network Measurement Results has been requested and the ME is on limited service (e.g. emergency calls only), the ME shall return the data requested in the TERMINAL RESPONSE with the general result (Limited Service).

If the NMR are requested and a call is in progress, the value of all the returned parameters provided by the ME in the response to the command will be valid. The NMR returned when a call is in progress from MEs supporting multiband operation, shall be according to the value of the multiband reporting parameter as defined in TS 04.08 [8]. If a call is not in progress (i.e. ME is in idle mode) some of the returned parameters (e.g. RXQUAL) may be invalid. In idle mode, MEs supporting multiband operation shall ignore the value of the multiband reporting parameter and the NMR returned shall be as defined in TS 04.08 [8] when the multiband reporting parameter equals zero.

NOTE 1: When in idle mode, the only information element on which it is possible to rely on is the RXLEV-FULL-SERVING-CELL, which contains the value of the received signal strength on the BCCH of the current serving cell.

NOTE 2: Network Measurement Results are defined in TS 04.08 [8] as Measurement Results.

The ME shall return the current date and time as set by the user. If available, the ME shall also return the time zone known from the network with the NITZ feature (see TS 22.042 [26]). If the time zone information is not available, the ME shall return 'FF' for this element.

If language setting is requested, the ME shall return the currently used language.

If the Timing Advance is requested, the ME shall return the timing advance value that was received from the BTS during the last active dedicated connection (e.g. for call or SMS). Timing advance is defined in TS 04.08 [8]. An ME supporting the Timing Advance feature shall be able to store the last value of timing advance. In addition to the timing advance value, the ME shall return its current status (i.e. ME is in idle mode or not) in order for the application to be aware of potential misinterpretation of the timing advance value. Caution should be taken if using the Timing Advance value for distance measurement as reflections from the external environment (buildings etc.) may affect the accuracy.

If the access technology is requested, the ME shall return the current access technology that the ME is using.