3GPP TSG-T plenary meeting #22
Maui, US, 10-12 December 2003

Tdoc TP-030249

Source: T3

Title: CR to TS 11.14 R99:

Specification of the SIM ME Interface for the SIM application toolkit

Document for: Approval

This document contains the following change request:

Spec	CR	Rev	Phase	Subject	Cat	new ver.	Doc-2nd-Level
11.14	A218	-	R99	Clarification on user confirmation for OPEN CHANNEL	F	8.15.0	T3-030986

3GPP TSG-T3 Meeting #29
Dallas, USA, 18-21 November 2003

Tdoc T3-030986⌘
(revised from T3-030896)

CR-Form-v7

CHANGE REQUEST

⌘ **11.14** **CR** A218 ⌘**rev** **-** ⌘ Current version: **8.14.0** ⌘

*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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Clarification on user confirmation for OPEN CHANNEL
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/11/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one 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 one of the following releases:
2 (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)

Reason for change:	⌘	Misalignment with SA1 specification (TS 22.038). With the current text, one can believe that a "user confirmation phase" is always necessary with OPEN CHANNEL, as for the SETUP CALL. However the bearer independent protocol is (when using GPRS) much more like the SMS or the USSD, i.e. the service might be transparent to the user. Anyway, it is defined in 22.038 that the ME may implement a general mechanism in order for the user to confirm the actions initiated by the toolkit applications.
Summary of change:	⌘	Clarification of the description of the OPEN CHANNEL COMMAND for GPRS, in a backward compatible way.
Consequences if not approved:	⌘	TS 11.14 not fulfilling the requirements of the stage 1 (TS 22.038).

Clauses affected:	⌘	2, 6.4.27.2				
Other specs affected:	⌘	**Y**	**N**		⌘	
			X	Other core specifications		
		X		Test specifications		11.10-4
			X	O&M Specifications		
Other comments:	⌘					

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~~ 3GPP TS 22.038: "USIM/SIM Application Toolkit (USAT/SAT); Service description"

[2] 3GPP TS 01.04: "Abbreviations and acronyms".

[3] 3GPP TS 02.17: "Subscriber Identity Modules (SIM) Functional characteristics".

[4] 3GPP TS 02.30: "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".

6.4.27.2 OPEN CHANNEL related to GPRS

This subclause applies only if class "e" is supported.

Upon receiving this command, the ME shall decide if it is able to execute the command. The SIM shall indicate whether the ME should establish the link immediately or upon receiving the first transmitted data (on demand).

The SIM provides to the ME a list of parameters necessary to activate a PDP context.

The ME shall attempt at least one PDP context activation.

Upon receiving this command, the ME shall decide if it is able to execute the command. Examples are given below, but the list is not exhaustive:

- If immediate PDP context activation is requested and the ME is unable to set-up a channel using the exact parameters provided by the SIM, the ME sets up the channel using the best parameters it can support and informs the SIM of the channel identifier and the modified parameters using TERMINAL RESPONSE (Command performed with modification);

- If immediate PDP context activation is requested and the ME is unable to activate the PDP context with the network using the exact parameters provided by the SIM, the ME informs the SIM using TERMINAL RESPONSE (Network currently unable to process command). The operation is aborted;

- If on demand link establishment is requested and the ME is unable to set-up a channel using the exact parameters provided by the SIM, the ME sets up the channel using the best parameters it can support and informs the SIM of the channel identifier and the modified parameters using TERMINAL RESPONSE (Command performed with modification);

- If the command is rejected because the ME has no channel left with the requested bearer capabilities, the ME informs the SIM using TERMINAL RESPONSE (Bearer independent protocol error). The operation is aborted;

- If the user does not accept the channel set-up, the ME informs the SIM using TERMINAL RESPONSE (User did not accept the proactive command). The operation is aborted;

- If the user has indicated the need to end the proactive SIM session, the ME informs the SIM using TERMINAL RESPONSE(Proactive SIM session terminated by the user). The operation is aborted;

- If the command is rejected because the class B ME is busy on a call, the ME informs the SIM using TERMINAL RESPONSE (ME unable to process command - currently busy on call). The operation is aborted;

- If the command is rejected because the class B ME is busy on a SS transaction, the ME informs the SIM using TERMINAL RESPONSE (ME unable to process command - currently busy on SS transaction). The operation is aborted;

The ME shall inform the SIM that the command has been successfully executed using TERMINAL RESPONSE:

- If immediate PDP context activation is requested, the ME allocates buffers, activates the PDP context and informs the SIM and reports the channel identifier using TERMINAL RESPONSE (Command performed successfully);

- If on demand PDP context activation is requested, the ME allocates buffers, informs the SIM and reports the channel identifier using TERMINAL RESPONSE (Command performed successfully);

If the ME is able to set up the channel on the serving network, the ME shall~~:~~ then

~~- Alert the user (as for an incoming call). This is~~ enter the confirmation phase described hereafter.

~~-~~Optionally, the SIM may include in this command an alpha-identifier. The use of this alpha-identifier by the ME is described below :

- If the alpha identifier is provided by the SIM and is not a null data object, the ME shall use it during the user confirmation phase. This is also an indication that the ME should not give any other information to the user during the user confirmation phase. If an icon is provided by the SIM, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier (see subclause 6.5.4).

- If the alpha identifier is provided by the SIM and is a null data object (i.e. length = '00' and no value part), this is an indication that the ME should not give any information to the user or ask for user confirmation.

- If the alpha identifier is not provided by the SIM ~~or is a null data object (i.e. length = '00' and no value part)~~, the ME may give information to the user.

If the user ~~accepts the channel~~does not reject the request, the ME shall then set up a channel;

- If the user does not accept the channel or rejects the channel, then the ME informs the SIM using TERMINAL RESPONSE (user did not accept the proactive command). The operation is aborted;
- If the user has indicated the need to end the proactive SIM session, the ME shall send a TERMINAL RESPONSE with (Proactive SIM session terminated by the user) result value.
- Optionally, during PDP context activation, the ME can give some audible or display indication concerning what is happening;
- If the user stops the PDP context activation attempt before a result is received from the network, the ME informs the SIM using TERMINAL RESPONSE (user cleared down call before connection or network release).