

Source: SA1
Title: CR to 22.038 on Indication of Key identification
Document for: Approval
Agenda Item: 7.1.3

Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
22.038	008		Rel-5	B	Indication of Key identification	5.1.0	5.2.0	S1-010419

CR-Form-v3

CHANGE REQUEST

⌘ **TS 22.038** CR **008** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title: ⌘ Indication of Key identification

Source: ⌘ SA1

Work item code: ⌘ TEI5

Date: ⌘ 11/05/01

Category: ⌘ **B**

Release: ⌘ Rel-5

Use one of the following categories:

- F** (essential 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)

Reason for change: ⌘

The entire industry is now looking for new user friendly, interactive mobile applications requiring a minimal number of keystrokes so as not to deter non-technological savvy users from using the applications.

Some of the new service applications require continuous actions, even if the user does not respond to them – (for example the user is choosing the correct answer from a running set of answers). The application can react differently according to what the user does or does not do, and acts according to different internal time outs.

This functionality provides a simple solution for implementing interactive applications such as games, messaging, polls, etc, and it is suitable for GSM, GPRS, and 3G.

It will benefit all the players as follows: The operators will enjoy increased usage of services. The SIM and ME vendors will be able to improve the services that they can jointly support. For the service application providers, it opens up a whole range of future sophisticated service applications.

Following review by T3 and SA1 the CR has been modified to state the indication “shall” be done in a secure manner.

Summary of change: ⌘

This Change Request proposes a new event that indicates that a key has been pressed and includes the key identification in a secure manner.

Consequences if not approved: ⌘

If this CR is not accepted, then the result will be limiting the functionality of future applications, and their adoption by less technological savvy users.

There is a need to create a USIM/SIM that can work with new advance services. As we all know, the advanced services are one of the most important features for the future. Therefore, if the USIM has limited service support, it will also limit the user's usage.

Clauses affected:	⌘	6.2					
Other specs affected:	⌘	<table border="1"><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table> Other core specifications				⌘	
		31.111, 11.14					
Other comments:	⌘						

6.2 SAT/USAT proactive capability

[...]

The proactive command set allows the SAT/USAT to instruct the ME to:

- 1 display text supplied by the USAT/SAT on the ME's display, with an indication of priority (normal or high), and a defined action (user activity or timeout) to terminate the text display.
- 2 display a text string and obtain the response in the form of a single user keystroke or a string of keys entered by the user and pass the response to the USIM/SIM. If the response is designated as private by the USIM/SIM the ME shall not display the users response on the screen.

[...]

19. allow the ME to display help information with the commands, by providing the associated text, related to the user action (e.g. menu selection).

20. Provide indication from the ME to the USAT when a key on the MMI has been pressed in a "menu" (response to prompt) or and event (independent action) methods, with key identification. This indication shall be done in a secure manner.