CR-Form-v7

CHANGE REQUEST

| ⌘ | **22.101** CR **133** | ⌘**rev** **1** | ⌘ | Current version: | **5.a.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 **X** Radio Access Network ☐ Core Network ☐

Title:	⌘	Support of Release 4 SIM in Release 5
Source:	⌘	mmO2, T-Mobile, Vodafone, Cingular, Swisscom, KPN

Work item code:⌘	TEI5		***Date:*** ⌘	22/09/2003

Category:	⌘ **F**		***Release:*** ⌘	5

Use <u>one</u> of the following categories:	Use <u>one</u> of the following releases:
F *(correction)*	*2 (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	*Rel-4 (Release 4)*
be found in 3GPP TR 21.900.	*Rel-5 (Release 5)*
	Rel-6 (Release 6)

Reason for change:	⌘	In the development of Release 5, 3GPP agreed to make the support of the SIM by terminals optional from Release 5. This was accepted at the time on the basis that networks would need the feature set provided by USIMs earlier than the Release 5 timeframe. Looking at the need to transition to USIMs, the authors have come to the conclusion that placing an artificial limitation on the lifetime of SIMs by mandating that operators move to USIMs in the Release 5 timeframe is no longer acceptable. The transition from SIM to USIM is a business decision for operators and the switch to USIMs should be based on features and facilities of USIMs, the interactions of SIM and USIMs with current and planned networks, and not artificial timescales imposed by 3GPP. Therefore we propose that a note is added to the text in 22.101 to make it clear that SIM support is expected in Release 5 terminals. Note that it is not proposed to make a Release 5 specification for the SIM. This issue is only about backward compatibility for Release 4 and earlier SIMs.
Summary of change:⌘		Add note to sections 13.1.3 and 14
Consequences if not approved:	⌘	Operators will have to move large numbers of customers over to UICCs causing confusion, especially in the Prepay market, rather than being able to focus the UICCs to those customers wanting the newer services offered by Release 5.

Clauses affected:	⌘	13.1.3, 14

Y	N

Other specs ⌘		**X**	Other core specifications	⌘	
affected:		**X**	Test specifications		
		X	O&M Specifications		
Other comments: ⌘					

13.1.3   UICC usage in GERAN only Terminals

In Release 5 and later, terminals supporting only GERAN shall support USIM.

Note: It is strongly recommended that manufacturers implement SIM support on GERAN only terminals until the population of SIMs in the market is reduced to a low level.

------------------   NEXT CHANGED CLAUSE   --------------------------

14   Types of features of UEs

3GPP specifications should support a wide variety of user equipment, i.e. setting any limitations on terminals should be avoided as much as possible. For example user equipment like hand-portable phones, personal digital assistants and laptop computers can clearly be seen as likely terminals.

In order not to limit the possible types of user equipment they are not standardised. The UE types could be categorised by their service capabilities rather than by their physical characteristics. Typical examples are speech only UE, narrowband data UE, wideband data UE, data and speech UE, etc..

In order to enhance functionality split and modularity inside the user equipment the interfaces of UE should be identified. Interfaces like UICC-interface, PCMCIA-interface and other PC-interfaces, including software interfaces, should be covered by references to the applicable interface standards.

UEs have to be capable of supporting a wide variety of teleservices and applications provided in PLMN environment. Limitations may exist on UEs capability to support all possible teleservices and information types (speech, narrowband data, wideband data, video, etc.) and therefore functionality to indicate capabilities of a UE shall be specified.

The basic mandatory UE requirements are:

- Support for USIM. Optional support of GSM phase 2, 2+, 3GPP Release 99 and Release 4 SIM cards [32]. Phase 1, 5V SIM cards shall not be supported. Support for the SIM is optional for the UE, however, if it is supported, all the mandatory requirements for SIM shall be supported in the UE;

  Note 1:   There is no Release 5 specification for the SIM, and therefore references to "SIM" apply to earlier releases.

  Note 2:   It is strongly recommended that manufacturers implement SIM support on terminals supporting GERAN until the population of SIMs in the market is reduced to a low level.

- Home environment and serving network registration and deregistration;

- Location update;

- Originating or receiving a connection oriented or a connectionless service;

- An unalterable equipment identification; IMEI, see 3GPP TS 22.016 [12];

- Basic identification of the terminal capabilities related to services such as; the support for software downloading, application execution environment/interface, MExE terminal class, supported bearer services.

- Terminals capable for emergency calls shall support emergency call without a SIM/USIM.

- Support for the execution of algorithms required for encryption, for CS and PS services. Support for non encrypted mode is required;