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Tdoc ⌘SP-030514

CR-Form-v7

CHANGE REQUEST

⌘ **22.101** **CR** **133** ⌘**rev** **-** ⌘ 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 ☒ 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:	⌘	Rel-5

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:	⌘	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. Furthermore the market expects that SIMs will continue to be movable between devices, and the experience if SIMs fail to work in R5 devices will confuse and frustrate users, and create severe Customer Care issues for operators. Therefore we propose that the Release 5 decision to make SIM support on Release 5 terminals optional is reversed and that Release 5 terminals and later are mandated to support the (Release 4) SIM, and continue to support the principles of backward compatibility. 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 mandatory support for SIM to sections 13.1.3 and 14
Consequences if	⌘	Operators will have to move large numbers of customers over to UICCs causing

not approved:	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 affected:	⌘		**X**	Other core specifications	⌘
			X	Test specifications	
			X	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.

13.1.3 UICC usage in GERAN only Terminals

In Release 5 and later, terminals supporting only GERAN shall support USIM and GSM phase 2, 2+, 3GPP Release 99 and Release 4 SIM cards [32]..

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

- 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;