

Source: T3
Title: Change Request to TS 21.111 "USIM and UICC characteristics"
Agenda item: 6.3.3
Document for: Approval

This document contain a change requests to TS 21.111 v3.2.0 agreed by T3.

| T3 Doc | Spec | CR | Rv | Rel | Subject |
|---------------|-------------|-----------|-----------|------------|------------------------------------|
| T3-000478 | 21.111 | 005 | | R99 | Partial AID selection requirements |

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

3G 21.111 CR 005

Current Version: V 3.2.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: TSG-T #9

list approval meeting # here ↑

for approval ☒
for information ☐

strategic ☐
non-strategic ☐ (for SMG use only)

Form: CR cover sheet, version 1.1 for 3GPP and SMG

The latest version of this form is available from: <ftp://ftp.3gpp.org/Information/CRF-11.rtf>

Proposed change affects:

(at least one should be marked with an X)

(U)SIM ☒

ME ☒

UTRAN / radio ☐

Core Network ☐

Source:

T3

Date:

18 August, 2000

Subject:

USIM application selection

Work item:

TEI

Category:

(only one category shall be marked with an X)

- F Correction ☐
A Corresponds to a correction in an earlier release ☐
B Addition of feature ☒
C Functional modification of feature ☐
D Editorial modification ☐

Release:

- Phase 2 ☐
Release 96 ☐
Release 97 ☐
Release 98 ☐
Release 99 ☒
Release 00 ☐

(releases phase2, 96, 97 and 98 apply only to GSM specifications)

Reason for change:

To allow for a more flexible application selection

Clauses affected:

6.1

Other specs affected:

- Other 3G core specifications ☐ → List of CRs:
Other GSM core specifications ☐ → List of CRs:
MS test specifications ☐ → List of CRs:
BSS test specifications ☐ → List of CRs:
O&M specifications ☐ → List of CRs:

Other comments:



help.doc

<----- double-click here for help and instructions on how to create a CR.

6 Logical issues

6.1 Application selection

In a multiapplication environment, a flexible application selection method is required. The application identifier defined in ISO/IEC 7816-5 [5] and EG 201 220 [6] should be used for application selection. Direct application selection, [including selection by partial DF name](#), and the EF_{DIR} concept of ISO/IEC 7816-4 [4] shall be followed. In particular, a mechanism for the ME and the UICC shall be specified in order to allow the user, when the ME is in idle mode, to select and activate one amongst those which are available and supported by the ME (this will permit the user to choose, for instance, between 2 different USIM applications). At switch on, the last active USIM shall be automatically selected. The last active USIM shall be stored on the UICC. By default if there is no last active USIM defined in the UICC, the user shall be able to select the active USIM amongst those available on the UICC.

6.2 Simultaneous access

A mechanism shall be specified for simultaneous access to several files or applications.

7 Service Requirements

7.1 User profiles

Each USIM shall contain at least one user profile [FFS].

7.2 Data transfer

A mechanism allowing highly secure transfer of applications and/or associated data to/from the UICC/USIM shall be specified in line with the requirements in 3GPP 22.01 [2]. This requires a secure transfer mechanism. GSM 02.48 [20] and GSM 03.48 [21] could be considered here, however this is limited to the case where the application to be downloaded runs in the context of an existing subscription. The security requirements in the case where, for instance, a new USIM or other application has to be downloaded, requires further study.

It is envisaged that in early USIM specifications, the transfer of subscription-related applications (e.g. SIM application toolkit applications) will be specified. The generic application download (e.g. download of a new USIM) is not likely to be included in these early specifications.

Application creation comprises file creation and other administrative operations on the, as well as negotiation of code type or language.

7.3 Application execution environment

An application execution environment may exist on the UICC/USIM which includes the functionality defined in GSM 11.14 [9].

7.4 Profile exchange

A mechanism for the ME, the USIM and the network to exchange service capabilities shall be specified. The following exchange of service capabilities may occur:

- ME services capabilities may be provided to the USIM/UICC;