

**Source:** MCC Task 162  
**Title:** Progress report of MCC Task 162 on USIM testing  
**Agenda item:** 6.3  
**Document for:** Approval

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This document contains two status reports produced by MCC task 162 on USIM testing.

In particular, T3-000195 contains the status report of the part of MCC task 162 producing the interface test specifications (3G TS 31.120 and 31.121) and T3-000198 contains the report of the part of MCC task 162 involved in USIM application test specification (3G TS 31.122).

The specifications involved, are presented to TSG-T #9 for information as follows:

- TP-000156: TS 31.120 v1.0.0 "UICC-Terminal Interface; Test specification" for information
- TP-000157: TS 31.121 v1.0.0 "UICC-Terminal Interface; Application Test specification" for information
- TP-000158: TS 31.122 v1.0.0 "USIM Conformance Test Specification" for information

It is expected that all three presentations will be presented to TSG-T #10 in December 2000 for approval, in line with the original MCC task 162 work plan as agreed during MCC task 162 preparatory meeting in June 2000.

**3GPP T3 Meeting #15  
San Diego, USA, 16 - 18 August, 2000**

***Tdoc T3-000395***

**Report of  
STF 162  
UICC-Terminal Interface Test Team**

Achieve Status on

3G TS 31.120

Physical, Electrical and Logical Test  
Specification

and

3G TS 31.121

USIM Application Test Specification

# Status of the documents

- T3-000440:  
TS 31.120 V0.2.0 80% complete
- T3-000441:  
TS 31.121 V0.2.0 60% complete

95 % of the GSM 11.10-1 s27 are already  
incorporated into 31.120 and 31.121

# Contact Persons

Rapporteur TS 31.120 *Physical, Electrical and Logical Test Specification*

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Rapporteur TS 31.121 *USIM Application Test Specification*

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# ToR of MCC 162

## **Section 3.7 Terms of Reference**

The technical areas of the Task should cover the interface tests for terminal / USIM and the conformance tests for the USIM. In particular, they should take the following items into account:

- modification and migration of the existing GSM test specification where appropriate (GSM 11.10-1 section 27 and GSM 11.17).
- tests for new requirements as specified in TS 31.101 and TS 31.102.
- project co-ordination management and quality assurance.

3GPP T3 Meeting #15  
San Diego, USA, 16 - 18 August, 2000

*Tdoc T3-000398*

# 3G TS 31.122

## USIM Conformance Test Specification

STF 162

USIM Conformance Test Team

# Agenda

- Test Coverage
- Document Overview
- Problems/Questions to be solved
- Status of the document
- Contact Persons

# Test Coverage (1)

- 3G 31.101 v 3.2.0
  - Physical characteristics
  - Electrical specifications of the UICC - Terminal interface
  - Initial communication establishment procedure
  - Transmission protocols
  - Application and File structure
  - Security features
  - Structure of commands and responses
  - Commands
  - Transmission Oriented Commands
  - Application independent files

# Test Coverage (2)

- 3G 31.102 v 3.2.0
  - Contents of the Elementary Files
  - Security Features supported by USIM
  - USIM commands

# Document Overview (1)

- Based on GSM 11.17 SIM conformance test specification
- Following the structure of the 3G TS 31.101 and 3G TS 31.102 to make referencing easier.
  - The conformance requirements of 3G TS 31.101 and 3G TS 31.102 are separated into 2 clauses.

# Document Overview (2)

- Differences between GSM 11.17 and 3G TS 31.122 are:

- Addition of T=1 Protocol
- Security features

It is following ISO7816 part 9. Access mode data objects and security condition data objects are stored in  $EF_{ARR}$ .

- File structure
  - An ADF is defined in 3G specifications.
  - A File Control Parameter is using the TLV format.
  - Session activation and deactivation using SELECT command is used.
- Command
  - Most of the commands are following the ISO7816s.

# Document Overview (3)

- The test procedures are based on the following pre-requisites:
  - The tests to check the requirements of 3G TS 31.101 use the files defined in 3G TS 31.102.
  - The tests are performed to a single application capability UICC with USIM application(s).

# Problems/Questions to be solved

- T3-000346

Questions / Clarifications related to the core specification, 3G TS 31.101 and 3G TS 31.102

- T3-000345

Two different interpretations for SEARCH RECORD command

# Status of the document

- 60% complete
- Test procedures to be defined are:
  - Protocol testing ( $T = 0$  and  $T = 1$ )
  - Contacts(C6)

Test procedures in GSM 11.17 is not very clear.

# Contact Persons

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