

Source: T3 chairman & T3 secretary

Title: Terms of Reference of the USIM Testing Task Team

Agenda item: 8.3.3

Document for:

Decision	X
Discussion	
Information	

Summary:

This document elaborates the request for funding for USIM testing originally requested by TSG-T / TSG-SA to the PCG in 3GPP/PCG#2(99)16.

The completion of the test specifications had originally been planned for June 2000, but since it is unlikely that the team could be assembled before March 2000, the work is likely to be delayed by 3 months.

If funding for the test specifications is not made available in time, the test specifications will not be available prior to the introduction of 3G service, resulting in the potential incompatibilities between USIM and terminals of different manufacturers.

The ToR for the intended MCC Task is proposed for PCG for approval.

The intention is that as soon as the 3G Partners agree on the funding matters, the Task attached could be launched immediately.

Terms of Reference

Producing 3GPP USIM R99 test specifications

1 Reasons for proposing the Task

The 3GPP Release 99 for the core specifications were approved in December 1999. The 3G USIM test specifications for R99 were expected to be delivered by June 2000.

Writing a test specifications needs skilled specialists. Voluntary contributions are so far very limited. In order to boost and accelerate the 3G USIM development, a specific MCC Task needs to be created.

2 Consequences if not agreed

If the test specifications are not made available in time, they will not be available for use to test the initial equipment needed for the introduction of 3G service. This most likely result in incompatibilities between USIM and terminals of different manufacturers.

3 Detailed description

3.1 Subject title: 3G USIM test specifications for USIM R99

3.2 Reference Technical Body: 3GPP TSG T(3)

3.3 Other interested Technical Bodies: 3GPP TSG T(1)

3.4 Target dates for the start of work: March 2000

3.5 Target dates for the conclusion of the work: September 2000

NOTE: the scheduled date for completion of the work within the 3GPP is currently June 2000. However, this date assumed that work would commence in January, but since it is not likely to start until March, September 2000 is a more realistic date.

3.6 Resources required

3.6.1 Necessary manpower

The total resources required for the Task are 12 MM, split as follows:

- for drafting of USIM-Terminal interface tests deliverable: 8 MM
- for drafting of USIM conformance tests deliverable: 4 MM

3.6.2 Estimated costs, additional to the manpower

3.6.3 Qualifications required, mix of skills

The project team should be drawn from member companies of 3GPP. The following areas of expertise

are required:

- expertise in physical and logical layers, electronic signals and ATR/PPS procedures.
- expertise in T=0 and T=1 protocols, plus knowledge of application selection and file handling.
- expertise in the commands and USIM characteristics.
- expertise in elaborating test specifications.

In addition, one member of the team will take on responsibility for project co-ordination.

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.

3.8 Context of the tasks

3G TSG-T3 have developed two deliverables which specify the USIM and its interface with the terminal. These together with existing GSM test specifications which, to some extent, cover the two deliverables should be the starting point for the task.

The deliverables will be developed in close co-operation with, and under guidance, from TSG-T3.

3.9 Related activity in other bodies and necessary co-ordination of schedules

Currently there is no activity in other bodies related to the specifications listed in 3.10.

3.10 Base documents and their availability

- 3G TS 31.101: UICC-Terminal interface; Physical and logical characteristics.
- 3G TS 31.102: Characteristics of the USIM application.
- GSM 11.10-1: Mobile station conformance specification, R98 (Section 27 only).
- GSM 11.17: SIM conformance test specification, R98.

3.11 Work item from the 3GPP Work Programme for which the Task is required

3TS/TSGT-0331120U

3TS/TSGT-0331121U

3.12 Expected output(s)

3G TS 31.120

- Version 1.0.0: June, 2000 at TSG-T #8
- Version 2.0.0: September 2000 at TSG-T #9

3G TS 31.121

- Version 1.0.0: June, 2000 at TSG-T #8
- Version 2.0.0: September 2000 at TSG-T #9