Technical Specification Group Services and System Aspects   *TSGS#6(99)614*
Meeting #6, Nice, France, 15-17 December 1999

Source: **TSG-T**

Title: **Test case Task team project plan and ToR**

Document for: **Information, Discussion**

Agenda Item: **6.3.2**

Technical Specification Group Terminals   *TSGT#6(99)267*
Meeting #6, Nice, France, 13-15 December 1999

Summary

In order to provide necessary resources to TSG T1 at the production of the UE test description in prose and to shorten the delay between a Release of 3G core specifications and the same Release of UE test specification, TSG T was asked by TSG SA#5 to make a proposal on **installation of a Task team**. The requested Task team is in addition to the requests already made for resources of Task teams for TTCN and SIM testing.

The requested team should have three specialists. Each of them works three months in the team. The total cost is 9 MM. The companies having the willingness to accelerate the completion of test description for R99 and R00 are encouraged to send their signalling specialists to ETSI for a certain working periods. The major task is to produce test purposes and test descriptions for UE supporting packet data service. If time permits, the team should continue to work on the inclusion of other items into TS 34.123-1 that are part of R99 core specs, but are not currently resourced.

Attached is a ToR for the intended MCC Task. TSG T1 requests **TSG-T to approve** the proposed task team and

to forward the ToR

▪ **to the TSG-SA#6 for endorsement,**

▪ **to PCG for the final approval and decision for funding.**

As soon as PCG approves the Task IM the Task team can be immediately launched.

Terms of Reference

For MCC Task IM

3G UE Test Description for R99

1. Reasons for proposing the Task

A lack of resources for the production of test description in prose is responsible for the delays to the finalisation of the documents and resulting in late availability of test specifications on the signalling and protocol test for R99.

With the current available resources TSG T1 SIG working group is concentrating on a minimum set of test cases which allow to test UE supporting circuit-switched voice and data services for R99.

An installation of a Task team to produce the test description for packet services will extend the test coverage of R99 and ensure that the total UE test specification can reach a similar level as the functionality defined in core specifications of R99..

2. Consequences if not agreed

Should the Task team not be installed, The test coverage of R99 would be restricted to the minimum test set. The all UE packet service tests would move to R00. One year delay of the availability of these tests must be taken into consideration.

3. Detailed description

3.1   **Subject title**: 3G UE test description on packet services for R99

3.2   **Reference Technical Body**: 3GPP TSG T(1)

3.3   **Other interested Technical Bodies**: 3GPP TSG RAN(2), TSG CN(1), ETSI SMG(7)

3.4   **Target dates for the start of work**: March 2000

3.5   **Target dates for the conclusion of the work**: June 2000

3.6   **Resources required**

3.6.1   **Necessary manpower**

The total resources required for the Task are 9 MM, split as follow:

- for drafting RLC/MAC tests for the packet services: 3 MM

- for drafting RRC tests for the packet services: 3 MM

- Migrating and drafting GMM, SM, PDCP tests: 3MM

3.6.2   **Estimated costs, additional to the manpower**

- Expected travels within Europe: max 6

▪

3.6.3 Qualification required, mix of skills

Required are 3 signalling specialists whose experience in signalling and protocol testing is essential. It is expected that an ETSI PEX member will be the Task leader, and will manage the resources, give general technical co-ordination and support.

The technical areas of the Task cover the conformance test specifications for UE both at the radio access for MAC, RLC, RRC layers and for non-access L3 protocols GMM, SM. The test description being specified should cover the conformance requirements of the packet services in the relevant core specification of R99. Among these are:

▪ Development of MAC, RLC test description,

▪ Development of RRC test description,

▪ Migration of GMM SM

▪ Assisting the update of ICS for the packet services.

If time permits, the team should continue to work on the inclusion of other items into TS 34.123-1 that are part of R99 core specs, but are not currently resourced.

3.7 Context of the tasks

3G TSG T1 SIG is developing a set of conformance test specification for CS services

▪ TS 34.123-1: UE conformance test

▪ TS 34.123-2: ICS pro-forma

▪ TS 34.123-3: UE ATSs

The proposed Task team should produce a test description for UE supporting packet services. The test description is a higher level test specification which contain the test structure, test purposes and a short test specification in prose for each test case. The test description is used as basis for the further detailed TTCN specification. From its nature the test description is compact and more readable, and belong to the first part of the UE test specification.

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

The stability of the relevant core specifications of CN1 and RAN2 will have direct impact on the progress of the Task. The test description in GSM 11.10-1 for GPRS L3 tests can be migrated.

3.10 Base documents and their availability

▪ 3G TS 24.008: Mobile radio interface layer 3 specification, Core Network Protocols - Stage 3, R99

▪ 3G TS 25.321: MAC protocol specification, R99

▪ 3G TS 25.322: RLC protocol specification, R99

▪ 3G TS 25.331: RRC protocol specification, R99

▪ GSM 11.10-1: Mobile station conformance specification, R98

▪ 3G TS 25.323: Description of the Packet Data Convergence Protocol (PDCP), R99

3.11 Work item from the ETSI Work Programme for which the Task is required

DTS/TSGT-0134123-1U

3.12 Expected output(s)

3G TS 34.123-1: UE conformance test specification

▪ R99, Version 3.0.0: June, 2000