

**3GPP TSG-T (Terminals) Meeting #25**  
**Palm Springs, CA, USA**  
**8 - 10 September 2004**

**TP-040199**

**Title:** MCC TF 160 Budget for 2005

**Work Item:** -

**Source:** TSG T WG1 Chair

**To:** TSG T

**Cc:**

**Contact Person:**

**Name:** Phil Brown

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**Purpose:** For Approval

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**Background**

For 2004, TF 160 have been allocated an overall budget of 63.3 man months (MM) from the PCG comprising 58 MM from the original allocation approved in Oct 03, and a further 5.3 MM that utilised an under-spend from 2003.

MCC TF 160 has recently identified its budget requirements for 2005 in order that TSG T can agree and approve a request for funding during the T#25 meeting. Upon approval the request needs to be presented to the financial committee of the PCG so the 2005 funding can be authorised at the next PCG meeting.

Specifically, the MCC TF 160 manager has calculated that TF 160 will need 73 MM to meet the anticipated demand for global TTCN test case development in 2005, further details of which are shown below.

**Budget Request**

Tasks	Requirement (mm)	% of budget	Industry references
R99 maintenance & enhancement	21	30	GCF WI-010, draft GCF WI-012
LCR TDD	16	22	TDIA WG terminal conformance test
Rel-4 & Rel-5 core functionality test	11	14	Draft GCF WI-013
HSDPA test	16	22	Draft GCF WI-014
RCM	9	12	T1-041453
<b>Total</b>	<b>73</b>	<b>100</b>	

**Rationale**

The tasks reflect the current and future Global Certification Forum (GCF) requirements to have commercially available test platforms that would facilitate certification of 3G handsets from 2005 onwards. The GCF Work Items (WI) identify the specific tests that must be undertaken by handset manufacturers prior to a declaration of conformance. Although the WIs cover RF, USIM and audio testing, the majority of the tests require TTCN development, and this is work that is done by TF 160 with the voluntary assistance of interested parties from the test industry and certain key handset manufacturers.

GCF WI-010 reflects the current requirement to provide the minimum number of R99 tests for the certification scheme to commence, and these are based on the Mar 03 core specification baseline. It is emphasised that whilst the minimum criteria will be met, the nature of the environment is such that the tests will undergo

continuous maintenance as well as re-verification work for test cases using a later base line releases of 3GPP core specifications.

The content of GCF Work Items 012, 013 & 014 has only just been drafted (1 Sep 04) and final approval is expected at the next appropriate GCF meeting on 22 - 23 Sep 04. That said, the WIs are estimated to be around 95% complete therefore a reasonably accurate estimation of the resource requirement can be made.

The Low Chip Rate (LCR) TDD task reflects the anticipated work requirement planned by the TDIA to develop up to 400 TTCN test cases as part of the development of 3G access technologies in China. This requirement was not part of the original 2004 allocation of funding although an additional 5.3 MM was subsequently approved during 2004 with the specific purpose of supporting LCR TDD TTCN development.

The Release and Configuration Manager (RCM) task is one that was not specifically identified in the 2004 budget request as the requirement was made after the PCG had approved the budget. Infact the RCM position and role was created in Oct 03 and joint funding was sought from the GCF (5 MM) and use of the extant budget (6 MM). To those most closely associated with the TTCN development process there has been total acceptance that the industry has benefited immensely from the incorporation of the RCM throughout 2004. Furthermore it was recognised and recorded by TSG T WG1 during its T1#24 meeting, (see T1-041453), that the role was essential to TF 160 in the future. This can be justified as the burden of maintenance and the tracking of changes becomes more complex, especially as parallel streams of TTCN development will be necessary to introduce existing and future test cases that will use a later baseline of the core specification.

### **Summary**

It is estimated that TF 160 will need a minimum of 73 man months in 2005 to continue the development of common and publicly available abstract test suites using TTCN, in order to stabilise the achievements so far and to test the new 3G features in accordance with the demands of the 3G industry.

### **2. Actions:**

**To: TSG T Plenary**

**ACTION: TSG T is asked to agree and approve the request for 73 man months of funding to support TF 160 in 2005..**

### **3. Date of Next TSG-CN Meeting:**

T#26

8-10 Dec 04

Athens, Greece

**Title:** RCM Role for 2005  
**Response to:** Discussion request during T1#24  
**Source:** T1 Chair  
**To:** T1

**Contact Person:**  
**Name:** Phil Brown  
**Tel. Number:** +44 7830 245266

**Purpose:** For Feedback

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## 1. Background

During the opening session of T1#24, I presented a report on the activities of the Release and Configuration manager (RCM) and stated that it was unlikely that the GCF would be in a position to partly resource the position in 2005. It would also be necessary for T1 to consider the necessity and future role of the RCM especially as there would be a resource implication.

At a sidebar meeting set up between interested delegates to deal with this specific issue, a number of observations were made which are summarised below:

- There was a consensus that the functionality of the RCM has been an essential element of the TF 160 team in the delivery of TTCN since Feb 04, and that the role would still be critical to TF 160's ability to deliver in 2005.
- Changes to the way that new test cases will be identified and the manner in which they will be delivered, will force an associated change in the working practices of TF 160 to maintain the extant tests whilst simultaneously working on multiple streams of activity.
- The nature of the RCM role would, in any event, change as many of the coordination processes introduced by the RCM are either already firmly established or have been semi-automated, and this would allow this resource to be used in other areas.
- It was estimated that the resource required to maintain an RCM presence within the TF 160 team would be around 10% of the overall TF budget.
- Although the precise resource required to fund the RCM was not calculated, it was generally thought that the RCM would not need to be full time, or even co-located with TF 160.
- For the purposes of requesting PCG funding in Oct 04, the RCM requirement would be integrated into the overall 2005 budget request.
- The 2005 budget requirement had not yet been established and would be dependent on, among other things, the GCF requirement for new tests in 2005.

As far as the justification of including the RCM in the 2005 TF 160 budget, correct completion of the following tasks were identified as being critical to the ability of TF 160 to deliver code efficiently, to the required quality and in line with the industry's expectations:

- To maintain and track corrections to the existing test suites needed for the start of GCF certification.
- To plan the tracking and control of CR implementation for multi-stream activities within TF 160 and assist T1 to estimate the necessary resource requirement for future activity.
- To control and track corrections within the multi-stream activity.
- To plan the transition of moving the existing test suites to a new core specification baseline and releases.
- To coordinate and track the contributions made by the non-ETSI verification teams.

Finally it was agreed that this document would be circulated for feedback and also it would be used to assist the development of the TF 160 budget for 2005.

## **2. Actions**

**To T1**

### **ACTION:**

- a. To provide feedback on the paper by 6 Aug 04.
- b. For the TF 160 Manager to make use the information in the document when developing the 2005 budget.

## **3. Date of Next TSG- T WG1 Meeting**

T1#25

1 - 5 Nov 04

Malta