

**3GPP TSG-T (Terminals) Meeting #14
Kyoto, Japan, 12 - 14 December 2001**

Tdoc TP-010288

Subject: Discussion document on application testing

Purpose: For Discussion

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Introduction

Two comments were provided by Lars Brenk, TTPCOM and Walter Bindrim, Materna.

Both proposed changes are highlighted with change bars in the attached WID based on the original proposal provided by Peter George, Anritsu.

Work Item Description

WT_xxx. Conformance Testing of MExE Environment

1. 3GPP Work Area

X	Radio Access
	Core Network
X	Services

2. Linked work items

WP ID	WID	Rel. *	Title
TBD	T1-06_50	P_F	Applications Platform Tests for Release 4
1445	TP-000117 TP-010071	R_WI	MExE enhancements Rel- 5 4
TBD	TBD	WT	Conformance Test of MExE Environment Rel-4

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The MExE capability allows applications to be downloaded into a UE and therefore may be running on the same physical platform as the one providing the radio signalling protocol.

It is therefore felt that the MExE environment within the UE ~~shall~~ be tested in some way to ensure that the normal radio signalling and performance together with the rest of the core UE functionality shall not ~~cannot~~ be compromised by applications ~~running inside it which are downloaded, executing, stopped or deleted in the UE.~~

Also the MExE security framework itself, concerning the availability of network functionalities through API's, controlled by certificates, together with the capability and content negotiation shall be tested.

The outcome of the tests shall be independent of the MExE Classmark in which the applications are executed.

To achieve this it is felt that a conformance test specification needs to be prepared.

4. Objective

The first stage is to conduct a feasibility study to answer the following issues:

- Reach a common understanding and terminology
- Confirm that the correct approach is to prepare a Conformance Test Specification
- Determine the scope and then the size of the task
- Decide, to which working group it should belong
- Prepare a detailed work item description for the task(s).
- Enlist 4 or more supporting companies for the main task

The second stage, if approved and supported, shall prepare a conformance test specification to meet the conformance test requirements described in Annex E of TS 23.057

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	X	X			
No			X	X	
Don't know	X				X

10. Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TBD					
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

11. Work item rapporteurs

TBD

12 Work item leadership

TSG T1/T2 TBD

13 Supporting Companies

None at present

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.
