

TSG-T Progress Report

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Documents for SA #8

- ✓ SP-000346: TSG-T#8 Progress Report Slides
- ✓ SP-000347: R00 New work items approved at TSG-T #8 for information
- ✓ SP-000252: cc LS on “SMSC implementation”
- ✓ SP-000313: LS on “Requirements and Scenarios for Call Handling”

T1 Conformance Testing (1)

- Overview
 - 4 R99 Specifications for R99 were approved
 - 18 CRs on 34.121 were approved

T1 Conformance Testing (2)

- Approved documents in T#8

- ✓ 34.108: Common Test Conditions V 3.0.0 (TP-000086)

- Some information, such as certain RF parameters and contents of system information block are unavailable from source documents or specifications
- T3 will review the duplication of work regarding USIM values

- ✓ 34.109: Terminal Logical Test Interfaces V 3.0.0 (TP-000087)

- Loop-back functionality in case of no USIM at all not included yet

- 34.121: Radio Performance (FDD) V 3.0.0 (TP-000033)

- ✓ 18 CRs in TP-000090 were approved

T1 Conformance Testing (3)

- Approved documents in T#8

- ✓ 34.122: Radio Performance (TDD) V 3.0.0 (TP-000089)

- No requirements for the support of Radio Resource Management (TDD) included
- Outstanding Issues:
 - Coverage of 25.123 core specifications, Confidence level for statistical measurements
 - Requirements for test equipment, measurement uncertainties
 - Additional conditions (frequency range, battery, environmental conditions)
- Contentious Issues:
 - Little support from the serving specifications (34.108 and 34.109)

T1 Conformance Testing (4)

- Approved documents in T#8

- ✓ 34.123-1: Conformance Specifications (Task 161; prose) V 3.0.0 (TP-000088)

- The current contents of TSG-T1 release '99 signaling part. (Pure 3G environment in FDD):

- Idle mode functions 70%
- Voice call functions (incl. emergency call) 95%
- Circuit switched data (up to 64 kb/s) + Fax 95%
- Auto-calling (restrictions) 100%
- SMS (PP & CB) 95%
- GSM/3G support (rest until end of year) 5%
- Packet data (rest until end of year) 50%

T1 Conformance Testing (5)

- Other Documents of T1 for R99
 - 34.123-2: Implementation Conformance Spec. V 1.0.1
 - New scope / structure of the document will be presented by end of 2000
 - Approval delayed to December '00
 - 34.123-3: Abstracts Test Suites (Task 160; TTCN)
 - V 1.0.0 on September '00, V 3.0.0 on March '01
 - Possible delay on completion due to late project starting (funding)
 - Feedbacks on high priority test cases from SDOs are requested
 - TTCN validation is out of scope of Project team (status and future plan in TP-000082)
 - Voluntary involvements of industries through TSG-T1 are sought

T1 Conformance Testing (6)

- Other Documents of T1 for R99 (continued)
 - 34.910: Test Cases Priority List
 - V 1.0.0 on November '00, V 3.0.0 on March '01
 - 34.926: Electro Magnetic Compatibility (EMC); Table of international requirements for Mobile terminals and ancillary Equipment
 - Sections for new regions or nations will be added
 - V 1.0.0 on September '00, V 3.0.0 on December '00

T1 Conformance Testing (7)

- Current Issues in T1

- ✓ Measurement Uncertainty

- Need to consider measurement equipment uncertainty in test specifications not in the core
 - Setting up a joint T1/R4 group to make the methods of specifying measurement uncertainty consistent between R4 (for the BS) and T1 (for the UE)
 - TSG-T endorsed the principle conclusions in the LS from R4 (TP-000108) and decided to examine in the future meetings
- Maintenance responsibility of TS 34.109 to be transferred from T1 to R2 after resolving current open issues in T1 till September 2000 (LS to R2: TP-000086)

T2 Services & Capability (1)

- Overview
 - Restructuring of T2 SWGs
 - SWG1 MExE: Mark Cataldo (Motorola)
 - SWG2 UE Capabilities and Interfaces: (Open) ← SWG2, 5 and 6 are merged
 - SWG3 Messaging: Ian Harris (Vodafone)
 - Approved 2 Technical Reports & 26 CRs on previously approved specifications
 - Approved 4 New work item for R00
 - On-going discussion on documenting/harmonizing proprietary features requiring a Terminal Interface
 - LS from GSMA on standardizing connectors
 - ✓ Report on “Multi-mode UE issues” divided into two and completed

T2 Services & Capability (2)

- Approved Documents at T#8
 - ✓ 3G TR 21.910: Report on Multi-mode UE issues – Categories, principles and procedures (TP-000076)
 - ✓ 3G TR 21.810: Report on Multi-mode UE issues – Ongoing work and identified additional work (TP-000075)
 - 4 New Work Item Descriptions for R00 (SP-000347)
 - MExE (TP-000117), MMS (TP-000078), 3GPP vObjects (TP-000079), Terminal Local Model (TP-000080)
 - 24 CRs regarding R99; UCR, EMS, TEI, MExE, ASCI, SYNC
 - 2 CRs regarding R00; TEI

T2 Services & Capability (3)

✓ New R00 work items for T2 (SP-000347)

– MExE

- Support of a new small footprint Java classmark, interaction and co-operation with SDR capabilities and definition of user profile support

– MMS

- Full description of the MMS architecture for Internet messaging, Enterprise messaging, VHE, WAP based and IP based solutions and 2G messaging

– vObjects and other Constructs for Use in Data Synchronization

- To define standards for and manage the process of adding new 'vObject's and Other Constructs as data store types for use in data synchronization activities

– Terminal Local Model

- To introduce a generic model approach for the ME environment from a *ME centric* perspective to allow harmonious work with various applications and peripherals

T2 Services & Capability (4)

- **Current Issues in T2**
 - **Requirements and Scenarios for Call Handling**
 - Multiple PDP context between TE and ME
 - LS to SA approved in (TP-000115, SP-000313)
 - **3GPP MIME Requirements**
 - Two options are identified
 - Creation of a 3GPP registration process e.g. 3GPP apply for a 3GPP MIME tree
 - Individual members apply for IANA for a each MIME type
 - **SMSC Changes to data fields (TP-000081, SP-000252)**
 - SMSC vendor/operators requested to adhere more closely to the standards
 - Limit changes to header fields, particularly for mobile to mobile SMS, unless absolutely necessary
 - LS sent to GSMA, cc to TSG-SA
 - **TR 21.904 UE Capabilities Report will be maintained until T2 November meeting**
 - R00 will not be produced

T3 USIM(1)

- Overview

- 33 CRs on R99 Specifications were approved
- 2 CRs on R98 GSM Specifications were approved
- 4 new R2000 Work Item Descriptions were approved
- On-going work on test specifications (MCC task 162 on USIM testing has commenced)
- Agreement in principle to delete the contents of 31.101 and replace it with a reference to the EP “newSMG9” platform specification

T3 USIM(2)

- **Approved Documents at T #8**
 - Change Requests were approved to the following specifications;
 - 11 CRs on 3G TS 31.101: UICC-Terminal interfaces (TP-000094)
 - 17 CRs on 3G TS 31.102: USIM Application (TP-000095)
 - 3 CRs on 3G TS 31.111: USIM Application Toolkit (TP-000096)
 - 2 CRs on 3G TS 21.111: USIM and IC Card requirements (TP-000097)
 - 1 CR on R98 GSM 03.19: SIM API – Stage2 (Java) (TP-000098)
 - 1 CR on R98 GSM 03.48: SAT secure messaging (stage2) (TP-000098)
 - One CR (31.102-027r1) is conditional on the S1 CR on network selection (see CR 22.011-015 in SP-000193)
 - Two CRs (31.102-030 and 31.102-036) were postponed

T3 USIM(3)

✓ New R00 work items for T3 (SP-000347)

– Inclusion of USIM related CPHS features

- For example, the following will be investigated for inclusion into T3 specifications: data field for the operator name, enhancements to GID usage, and more.

– Enhancement to (U)SIM secure Messaging

- Support of Public Key encryption / decryption / signing / validation, support of additional bearers, addition of the ability to issue a 3GPP 31.111 style REFRESH command, and addition of the ability to initiate a SIM application

– Standardization of USIM Toolkit interpreter

- Standardise on protocols for SIM resident SIM Toolkit interpreters

– TR on SIM/USIM application inter-working within the UICC

- The co-existence of these two applications is not described in existing specifications, specifically regarding how common information could be shared and linked.

T3 USIM(4)

- Current Progress in T3

- Testing Specifications

- Test specifications on USIM and UICC/USIM interface

- MCC Task 162 is advanced by two sub-teams

- Version for information: TSG-T#9, Version for approval: TSG-T#10

- Test specification for the USIM API

- First meeting this week

- Version for information: TSG-T#9, Version for approval: TSG-T#10

- New Working Parties discussed

- Testing and Application Protocol Interface (API) (Chairmen required!)

T3 USIM(5)

- **Current Issues in T3**

- Implementation of selection of the last selected application will be finalized at the next meeting (R99 issues)

- ✓ **Urgent discussion needed on PLMN selection**

- ✓ LS from newSMG9 in TP-000101 to prompt discussion

- Aim is to come up with general solution for the common smart card platform

T3 USIM(6)

- Harmonization of telecom IC card (1)
 - ETSI EP “newSMG9”
 - ETSI Board #25 (29 March 2000) established EP “newSMG9” to become the central focus for the standardisation of a common IC Card platform for 2G and 3G mobile telecommunications systems
 - “newSMG9” meetings are open to all members of supporting committees
 - Draft Terms of Reference of ETSI EP “newSMG9” available in TP-000100. They will be presented to the next ETSI board meeting for approval
 - Klaus Vedder appointed as the interim Chairman

T3 USIM(7)

- Harmonization of telecom IC card (2)
 - As a result of the creation of EP “newSMG9”, “newSMG9” and TSG-T have agreed the following procedure:
 - EP “newSMG9” will produce a TS which will be technically identical to TS 31.101 as produced after TSG-T #8.
 - TSG-T #9 then expect to approve a CR deleting the contents of TS 31.101 and replacing it with a reference to the EP “newSMG9” TS.

Summary of TSG-T discussions on R00

- TSG-T concluded that
 - ✓ T2 & T3 currently expect to complete their planned work for R00 by December 2000
 - Identified areas which may require R2000 work in 2001 are:
 - Testing
 - Need stable core specifications!
 - Any unforeseen impacts of the work items from other TSGs

Status of funded Tasks in TSG-T

✓ Task 160 will start in mid July

- The six experts on Task 160 (TTCN) to develop ATS for
 - RRC elementary procedure, Idle mode, Handover
 - L2/MAC, RLC; MM, SMS; CC & General test
- The phasing of the spend will be evaluated by ETSI MCC and the OP meeting in July

✓ Task 161 has started in May

- The four experts on Task 161 (prose) to develop
 - L2 PDCP & BMC, Review and refine RRC test & intersystem handover (CS)
 - Completion target: August '00 (Some results are expected by June '00)

✓ Task 162 has started in June

- Test specifications on USIM and UICC/USIM interface
 - MCC Task 162 is advanced by two sub-teams
 - Version for information: TSG-T#9, Version for approval: TSG-T#10

Discussions needed in SA#8

✓ 3GPP MIME type Registration

- Two options are identified
 - Creation of a 3GPP registration process
 - » e.g. 3GPP apply for a 3GPP MIME tree
 - Individual members apply for IANA for a each MIME type
- Any other WGs need for registration of MIME types in 3GPP?

✓ Discussion needed on PLMN selection

- ✓ LS from newSMG9 in TP-000101 to prompt discussion
- Aim is to come up with general solution for the common smart card platform