


TSG-T

Progress Report



**TSG-T Chairman:
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SAMSUNG DIGIT*all* everyone's invited™

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TSG-T#9 Overview

- Progress was reported from its working groups
- TSG-T ToR were revised for OP approval (TP-000183)
- Discussion on TTCN verification

Documents for SA #9

- ✓ SP-000482: TSG-T#9 Progress Report Slides
- ✓ SP-000471: cc LS "Transfer of EMC documents 34.124 and 34.926"
(TP-000175)

T1 Conformance Testing (1)

- Overview

- One R99 Specification was approved
- One Technical Report was submitted for information
- 80 CRs on T1's specs were approved
 - Among them, 55 CRs were due to changes in the core specs



T1 Conformance Testing (2)

- **Approved document in T#9**
 - ✓ **TS 34.123-2: UE Conformance Specification, Part2 – ICS (TP-000137)**
 - maps protocol test cases to the relevant UE capabilities
 - Focuses on the recommended applicability of the individual protocol test cases
- **Approved CRs in T#9**
 - 20 CRs on TS 34.108: Common test conditions for UE conformance testing (TP-000131)
 - 4 CRs on TS 34.109: Terminal Logical Test Interfaces (TP-000162)
 - Stable enough to be transferred to RAN2
 - 19 CRs on TS 34.121: Terminal Conformance Specification (FDD) (TP-000163)
 - 1 CR on TS 34.122: Terminal Conformance Specification (TDD) (TP-000134)

T1 Conformance Testing (3)

- **Approved CRs in T#9 (Continued)**
 - 33 CRs on TS 34.123-1: UE Conformance Specification, Part1 (Prose version)

- **The current status of TS 34.123-1 R99 signaling part**
 - Idle mode functions 90%
 - Voice call functions (incl. emergency call) 98%
 - Circuit switched data (up to 64 kbps) + Fax 98%
 - Auto-calling (restrictions) 100%
 - SMS (PP & CB) 95%
 - GSM/3G support (rest until end of year) 5%
 - Packet data (rest until end of year) 70%

T1 Conformance Testing (4)

- Other Documents of T1
 - TS 34.123-3: Abstracts Test Suites (MCC Task 160; TTCN)
 - Framework stabilized and First TTCN test case has been finalized. Version 3 will be released in March and the Full version (including PS & 2G/3G support) will be available Dec. 2001. Some delays; but detailed delivery plan presented to TSG-T.
 - TR 34.910: Identification of Test requirements for regulatory purposes in different regions/countries
 - Input received from Japan MPT, need inputs from all other regions in 3GPP
 - V 0.1.0 & expecting V 3.0.0 in March 2001 (if input received)

T1 Conformance Testing (5)

- Other Documents of T1 (Continued)
 - TS 34.124: Electro-Magnetic Compatibility(EMC) for Terminal Equipment
 - Finalized with V 3.1.0
 - TR 34.926: Electro-Magnetic Compatibility(EMC): Table of International requirements for Mobile terminals and ancillary equipment
 - Version 1.0.0 Presented for information (TP-000138)
 - EMC Group has finalized their work and only light maintenance work is required from now on. The EMC group will be disbanded by the end of the year and the 2 documents are proposed for transfer to RAN4 by the end of the year. LS in SP-000471

T1 Conformance Testing (6)

- **Current Issues in T1**
 - **TTCN Verification (TP-000164, TP-000177)**
 - TSG-T proposed that TSG-T1 should informally facilitate and encourage the submission of test results leading to a register maintained by TSG-T1 on the level of verification of TTCN test cases.
 - TSG-T1 is examining the possible alignment of formats of prose test cases and TTCN for test cases from TSG-T1 and the new GERAN4
 - Tests at the application level
 - TSG-T decided that T1 should have primary responsibility of the specifications involved and co-ordinate the work under the guidance of T2 or other relevant groups

T2 Services & Capability (1)

- Overview

- Restructuring of T2 SWGs

- SWG MExE: Mark Cataldo (Motorola)

- SWG UE Capabilities and Interfaces: Kazuya Hashimoto (NEC)

- SWG Messaging: Ian Harris (Vodafone)

- Agreement reached on WAP and MExE Classmark 3

- WAP support is not mandatory for Classmark 3

- Multimedia Messaging work progressing

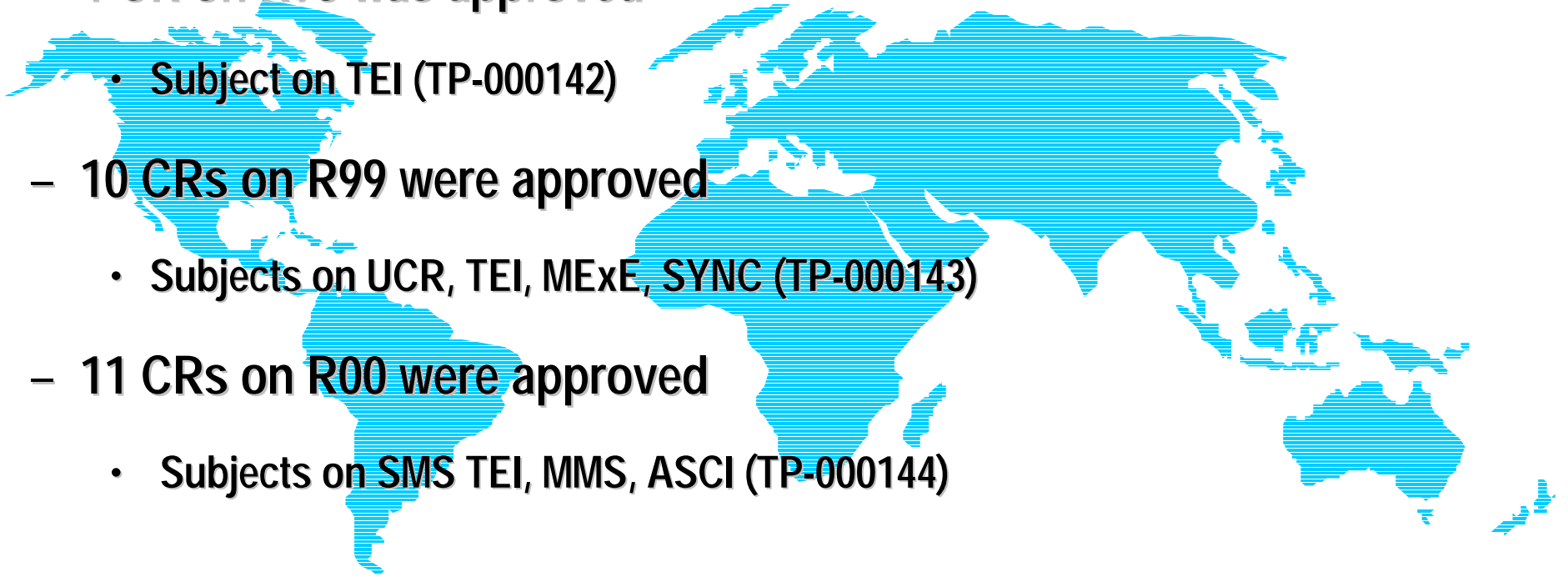
- Discussions on Streaming, Codecs, Charging, Unified Messaging etc. underway

- Decided to withdraw 2 GSM Specifications from Specification list

- GSM 10.57 & GSM 03.39

T2 Services & Capability (2)

- **Approved CRs at T#9**
 - 1 CR on R98 was approved
 - Subject on TEI (TP-000142)
 - 10 CRs on R99 were approved
 - Subjects on UCR, TEI, MExE, SYNC (TP-000143)
 - 11 CRs on R00 were approved
 - Subjects on SMS TEI, MMS, ASCI (TP-000144)



T2 Services & Capability (3)

- **Current Key Issues in T2**

- Discussions in MExE on Microsoft's Common Language Infrastructure (CLI) API
 - Further discussions needed, although significant interest
- **Handling of Proprietary Features still under discussion**
 - There is a need to avoid interoperability problems resulting in complaints to operators, but more discussion on this is needed
- **SyncML initiative proposal to T2 under discussion**
 - SyncML provides a richer environment for wide area synchronisation between data on different devices, but a smooth migration path from what we have today is required
- **"Terminal Local Model" needs more effort**
 - There has been limited input over the summer and more input is needed from companies if we are to complete this work

T2 Services & Capability (4)

- **Current Key Issues in T2 (continued)**
 - Set of work on ASCI CRs complete
 - Agreement that additional parameters can be added to existing AT command responses without this causing backward compatibility problems
 - **SMS/CBS/USSD: including numbers in "quotes"**
 - This is already implemented in a number of handsets but there is no reference in the main technical document 23.040; T2 will probably provide a CR for this at the next T plenary
 - No input yet on **Global Text Telephony**
 - **CBS & LCS: Misalignment fixed provided no implementation**
 - Cell Broadcast **LCS Message Identifier** descriptions in 03.41 and 23.041 aligned with 04.35, this is a non-backward-compatible change but it is believed that there are no implementations and this change removes the inconsistency.
 - **CBS: Need for SERG to allocate message ids.**
 - Formal registration of codes from 100 to 999 proposed to SERG to allow consistent applications across different networks

T3 USIM (1)

- **Overview**

- 3 Technical Specifications were submitted for information
- 13 CRs on R98/R99 GSM Specifications were approved
- 23 CRs on R99/R00 3G Technical Specifications were approved
- 2 new R2001 WIs were approved
- SWG Application Protocol Interface (API) was established
 - Paul Jolivet (NTT DoCoMo Europe) was elected as the SWG Chair

T3 USIM (2)

- 2 New WIs approved for R2001 (TP-000155)
 - “(U)SIM API for MULTOS” & associated test specification
 - “USAT local link”
- **New Specifications for Information**
(MCC Task 162: Detailed status report in TP-000180)
 - TS 31.120 v1.0.0 UICC-Terminal Interface Test specification (TP-000156)
 - TS 31.121 v1.0.0 UICC-Terminal Interface Application Test specification (TP-000157)
 - TS 31.122 v1.0.0 USIM Conformance Test Specification (TP-000158)

T3 USIM (3)

- **Current Issues in T3**
 - **USIM API Test Specification**
 - **Problem concerning the tests related to prove compliance with JavaCard™ 2.1 specification**
 - **Discussion with SUN about laying open the JavaCard™ 2.1 Compliance Test Suite currently not publicly available**
 - **T3 clarified & T endorsed that**
 - **a test specification shall not contain a reference to a non-public specification or document, nor to any other non-public material**
 - **a test specification shall not contain any requirements, it shall only contain tests for requirements in its core specification**

T3 USIM (4)

- **Current Issues in T3 (cont'd)**

- **Support of USIM (security) functionality by GSM only R99 MEs**

- **LS to from T3 to S3 contained in TP-000126; answer of S3 in TP-000170**

- **S3 concluded that they will align their specifications with the T3 assumption that a R99 GSM only ME need not support USIM functionality**

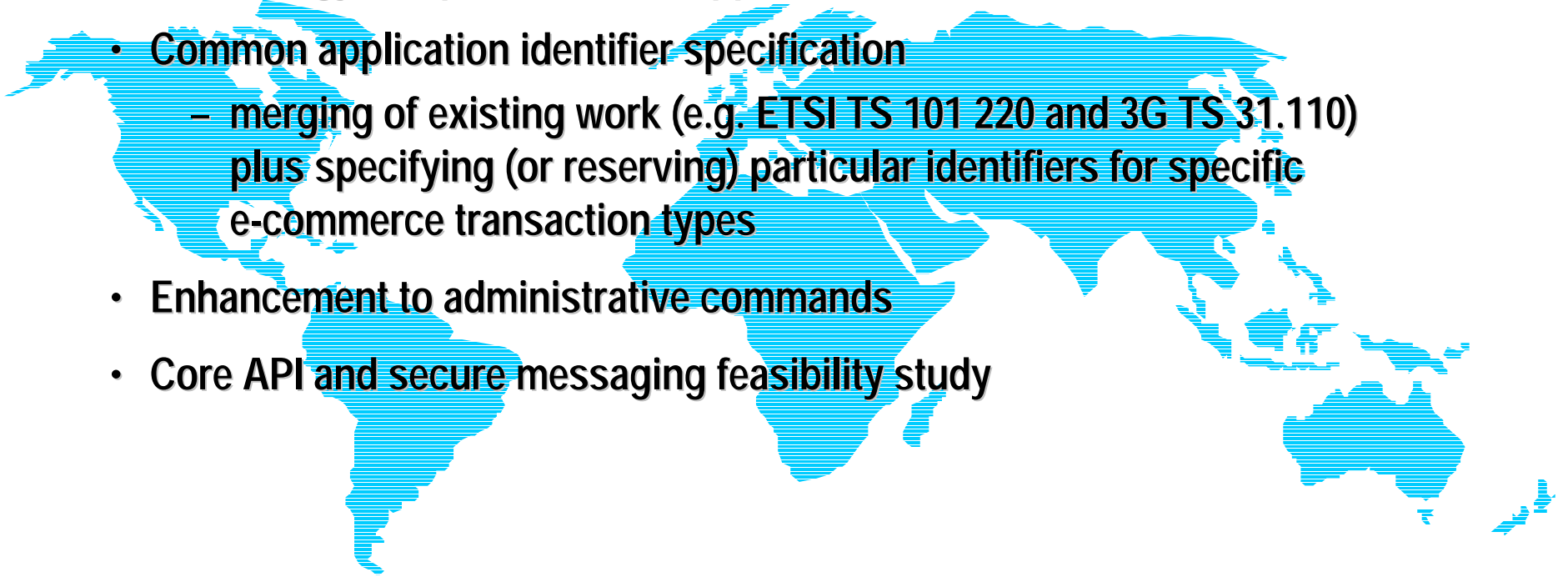
- **Other groups are requested to change their specifications accordingly**

T3 USIM (5)

- **Harmonization of Telecom IC Cards (1)**
 - “newSMG9” #2 hosted by LG InFocom, San Diego, 21 - 24 August 2000
 - **Election of Chairman and Vice-chairmen**
 - **Chairman:** Dr. Klaus Vedder (Giesecke & Devrient)
 - **Vice-chairs:** Nigel Barnes (Motorola), Mark Hosford (LG InFocom)
 - ✓ **New name: EP SCP (Smart Card Platform)**
 - ✓ **Approval of TS 102 221 for publication**
 - Formerly TS 31.101 the contents of which had been transferred to EP SCP
 - Several Release 99 CRs including selection by partial AID were incorporated

T3 USIM (6)

- **Harmonization of Telecom IC Card (2)**
 - **Four new WIs**
 - **Technology Independent Card Application Toolkit**
 - **Common application identifier specification**
 - **merging of existing work (e.g. ETSI TS 101 220 and 3G TS 31.110) plus specifying (or reserving) particular identifiers for specific e-commerce transaction types**
 - **Enhancement to administrative commands**
 - **Core API and secure messaging feasibility study**



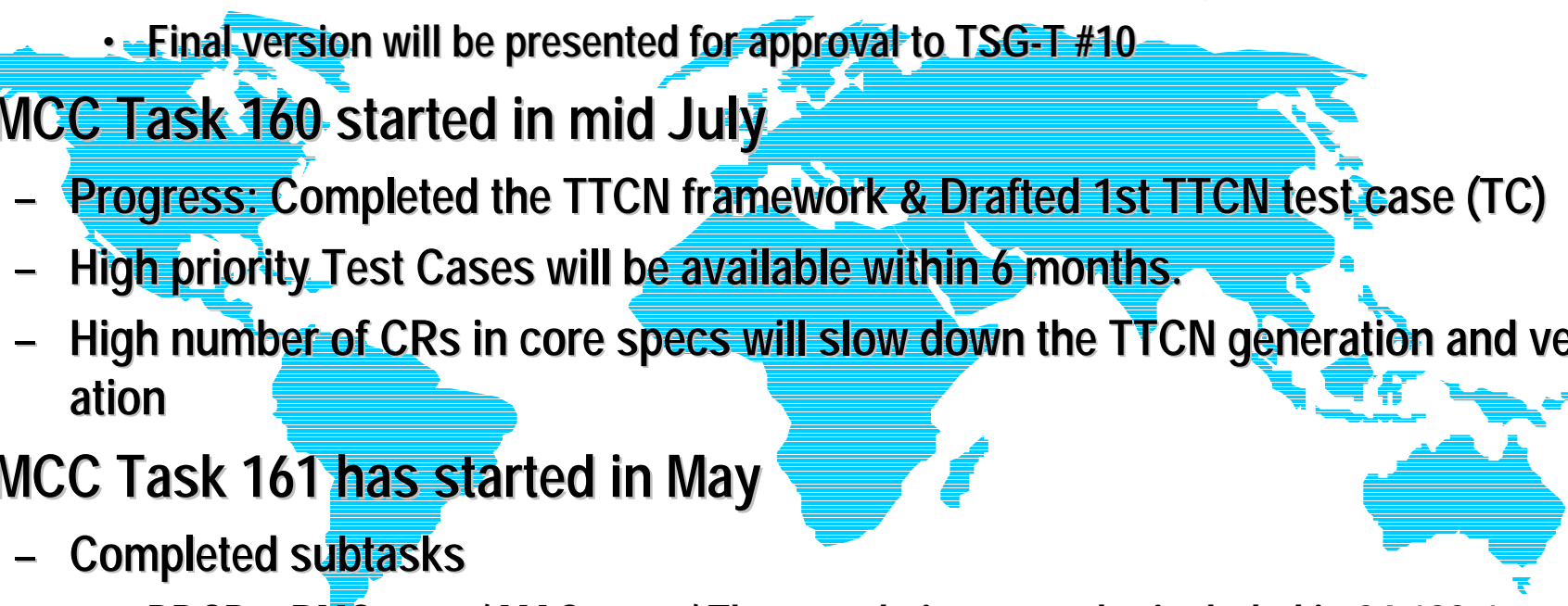
Summary of TSG-T discussions on R00

- Regarding TSG-SA R2000 ad hoc meeting (TP-000173)

| High Level Workplan Priorities | TSG#10 Dec 00 | TSG#11 Mar 01 | TSG#12 June 01 | TSG#13 Sept 01 | TSG#14 Dec 01 |
|---|------------------|-------------------------|---|-------------------|-----------------------|
| Distribution of Functionality between physical elements in the UE | | Initial Review Complete | Actions for outside TSG-T identified and communicated | | Final Review Complete |
| Tests for IM Subsystem | | | | | ?? |

- T3 is concerned about R2000 WIs developed by other groups that may only be finalised towards the end of the year and will require USIM support (VHE user profiles, IP multi-media services)

Status of funded MCC Tasks in TSG-T (1)

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- ✓ MCC Task 162 has started in June
 - Test specifications on USIM and UICC/USIM interface
 - The draft documents (see previous slides) were developed by MCC Task 162
 - Final version will be presented for approval to TSG-T #10
 - ✓ MCC Task 160 started in mid July
 - Progress: Completed the TTCN framework & Drafted 1st TTCN test case (TC)
 - High priority Test Cases will be available within 6 months.
 - High number of CRs in core specs will slow down the TTCN generation and verification
 - ✓ MCC Task 161 has started in May
 - Completed subtasks
 - PDCP + BMC tests / MAC tests / The tests being agreed & included in 34.123-1.
 - RRC tests resolved by voluntary contributions
 - Ongoing subtask
 - Intersystem HO test

Discussions needed in SA#9

- Do we need WI “Advanced Cell Broadcast”?
 - SA needs to clarify the requirements