TP-010100

T3 Status Report to T #12

Dr. Klaus Vedder, Giesecke & Devrient
Chairman TSG-T3

Giesecke & Devrient

Documents

- TP-010100   T3 status report at TSG-T #12
- TP-010101   CRs to 02.19 for approval
- TP-010102   CRs to 03.19 for approval
- TP-010103   CRs to 02.48 for approval
- TP-010104   CRs to 03.48 for approval
- TP-010105   CR to 11.13 for approval
- TP-010151   CRs to 11.14 and 31.111 for approval
- TP-010107   CRs to 31.102 for approval
- TP-010108   CRs to 31.121 for approval
- TP-010109   CR to 51.011 for approval
- TP-010110   Draft WI for a C-language binding for (U)SIM API for appr.
- TP-010111   Draft WI for test suites for the USAT Interpreter for appr.
- TP-010112   Draft WI UICC/USIM Transport Protocol for approval
- TP-010113   TR 31.900 v2.0.0 "SIM/USIM interworking" for approval
- TP-010086-8 Liaison Statements

Meetings

- **TSG-T3 #19**
  - 08 - 11 May 2001, St. Johns, US VI
    hosted by the North American Friends of the 3GPP
  - attended by 59 delegates from 13 countries

- **SWG API**
  #4   11-13 April 2001, Paris, hosted by DoCoMo Europe
  #5   28–30 May 2001, Sophia Antipolis, hosted by ETSI

- **Ad hoc meetings**
  #32 Java API testing, 26 - 28 March 2001, Paderborn, Orga
  #33 USAT Interpreter, 26-27 March 2001, Paris, Oberthur
  #34 C-language binding, 06 April 2001, Edinburgh, Aspects
  #35 USAT Interpreter, 24-25 April 2001, La Ciotat, Gemplus
  #36 Java API testing, 25-27 April 2001, Madrid, Microelectrónica Española
  #37 S3/T3 SIM/USIM interworking, 3 May 2001, Munich, Giesecke & Devrient
  #38 USAT Interpreter, 22-23 May 2001, Munich, Giesecke & Devrient
  #39 TS 51.011 restructuring, Sophia Antipolis, ETSI
  #40 Java API testing, 30-31 May, Sophia Antipolis, ETSI
  #41 Cancelled (C-language binding)
  #42 USIM Transport Protocol, 12-13 June, Gémenos, Gemplus
  #43 USAT Interpreter, 11-13 June 2001, Stockholm, SmartTrust

T3 Structure

- **Chairman: Klaus Vedder (G&D)**
- **Secretary: Michael Sanders (MCC)**
- **Vice-chairs: Nigel Barnes (Motorola)**
  Paul Jolivet (DoCoMo Europe)

- **API WP**
  - **Chair: Paul Jolivet (DoCoMo Europe)**

CRs to TS 02.19 and TS 03.19
(TP-010101, TP-010102)

TS 02.19 *SIM API service description - stage 1*

A002 R5   Limitation of proactive command issued by an application - API framework shall guarantee that it does not affect OS or other applications

TS 03.19 *SIM Applic. Progr. I/f (API) - stage 2 (Java^{TM})*

A013 R5   Limitation of proactive command issued by an application

A014 R5   Method to determine the maximum size of the handler

A015 R5   Integrate the Bearer Independent Protocol Feature defined for R99 in TS 31.111

A016 R99 Clarification and corrections following creation of the test specification (TS 11.13)

CRs to TS 02.48 and TS 03.48
(TP-010103, TP-010104)

TS 02.48 *Security Mechanisms for SIM toolkit - Stage 1*

A001 R4   Alignment with 3G release 4 core specifications -
to create a release 4 version that covers both 2G and 3G

TS 03.48 *Security Mechanisms for the SIM appl. Toolkit*

A016 R5   Support of the bearer independent protocol feature

A017 R99 Correction to the Open Platform specification reference

A018 R4   Alignment with 3G release 4 core specifications -
to create a release 4 version that covers both 2G and 3G

CRs to Test Specifications

TS 11.13 *Test Spec. for SIM API for Java Card*™ (TP-010105)

    A001 R98 Corrections to the API Test plan, addition of the test area files and modification of the util package

TS 31.121 *USIM Application Test specification* (TP-010108)

    001 R99   Correction of EF(UST) used in the Test USIM

    002 R99   Correction of EF(ECC) used in the Test USIM

    003 R99   Correction to EF(HPLMN) regarding test USIMs

    004 R99   Deletion of a duplicated test case

    005 R4   Modification of EF ECC used in the Test USIM

T3 #19 agreed on the following CR to GSM 11.10-4 R96

    "Correction of wrong coding for SIM Application Toolkit 27.22"

    CR passed on to GERAN4 for further processing

CRs to 11.14 and 31.111
(TP-010106)

TS 11.14 / TS 31.111 (U)SIM Application Toolkit

17 Corrections

- Clarification of min and max length for GET INPUT
  11.14 R98 (CR A195); 11.14 R99 (A196); 31.111 R99 (45); 31.111 R4 (46)

- Limitation of data field in the C-APDU and R-APDU data object
  11.14 R98 (CR A197); 11.14 R99 (A198); 31.111 R99 (47); 31.111 R4 (48)

- REFRESH-SIM Initialization : correction of a reference
  11.14 R98 (CR A199); 11.14 R99 (A200)

- Annex Bearer independent protocol examples
  11.14 R99 (CR A201); 31.111 R99 (49); 31.111 R4 (50)

- NMR functionality (and BCCH list & TA)
  31.111 R99 (CR 41); 31.111 R4 (42)

- General corrections
  31.111 R99 (CR 43); 31.111 R4 (44)

CRs to 31.102
(TP-010107)

TS 31.102 Characteristics of the USIM application

15 Corrections and two new features

- Alignment of Status Words for AUTHENTICATE with TS 102 221

  CR 079 (R99), CR 080 (R4)

- Correction of EF(ECC)

  CR 081 (R99), service not defined in R99

- Correction to EF(HPLMNwACT) access condition

  CR 083 (R99), CR 084 (R4)

  – file is under operator control - this is now reflected in the update condition

- General corrections

  CR 085r1 (R99), CR 086 (R4)

- Clarification of the Authenticate command description

  CR 087r1 (R99), CR 093 (R4)

  – specifying the directories which have to be selected for the command to be executed

CRs to 31.102 ctd.
(TP-010107)

- Clarification of the type 3 links of the phonebook
  CR 088 (R99), CR 089 (R4); only one link allowed

- Presence of OCI / ICI and OCT / ICT files
  CR 091 (R99), CR092 (R4)
  - in each case both files shall be present if the service is supported

- Correction of compact Edge files
  CR 090 (R99), CR 094 (R4)

- Addition of Operators Preferences file for GPRS service usage
  - CR 082 (R4) - T#11 had agreed this to be a Release 4 change
  - addition of a GPRS configuration file to define the default settings when an application does not fully specify the GPRS settings

- New implementation of SPN to align with SA1 specifications
  - CR 095 (R4) - Release 4 addition to align with SA1 change
  - list of PLMNs in which the Service Provider Name shall be displayed

CRs to 51.011

(TP-010109)

TS 51.011 SIM/ME interface

- 001 R4 Addition of GPRS operator preferences
  - addition of a GPRS configuration file to define the default settings when an application does not fully specify the GPRS settings

- 002 R4 Introduction of USIM Features in to the SIM
  - Data-fields, procedures and amendments for the following features are included in accordance with the decision by T#11 in Palm Springs
    - PLMN Network Name
    - Operator PLMN List
    - Mailbox Dialling Numbers and Mailbox Identifier
    - Message Waiting Indication Status
    - Call Forwarding Indication Status

The "reduced TS 51.011" (i.e., the one based on TS 31.101) is expected to be presented for approval at TSG-T #13

New Work Items (I)

- **C-language binding for (U)SIM API (TP-010110)**
  - this WI replaces the existing WI on a MULTOS API together with the linked test specification and a proposed work item for "SIM API for Windows for Smart Cards"
  - the specification produced shall comply with TS 02.19
  - the specification is planned as part of Release 5 (T#14, Dec. 2001 for approval)
  - the test specification is intended to be available for approval by TSG-T #16

- **Test suites for the USAT interpreter (TP-010111)**
  - TS 22.112 USAT interpreter stage 1 was approved by TSG-T#11
  - TS 31.112 *USAT Interpreter stage 2* and TS 31.113 *USAT Interpreter - Byte Code* will be presented to T #13 for approval
  - to achieve interoperability between the various implementations the WI proposes to develop a test specification
  - planned for approval by TSG-T#15 (March 2002)

New Work Items (II)
(TP-010112)

- **Definition and specification of a UICC/USIM Transport Protocol**
  - the Bearer Independent Protocol in TS 31.111 R99 allows the (U)SIM application to use any available bearer in the ME. The Bearer Independent Protocol obviously inherits the properties of the bearer
  - WI proposes the specification of a transport layer specific to the (U)SIM application
  - secondary responsibility: T2
  - available for approval by TSG-T #14 (December 2001)

Report for Approval
(TP-010112)

- **TR 31.900** *SIM/USIM Internal and External Interworking Aspects*
  - version 2.0.0 presented for approval
  - had been presented to T#11 for information
  - the different cases and possibilities of interworking between
    - between a 2G or 3G ICC and a 2G or 3G ME.
    - any given ME/ICC combination and the rest of the network
    - a SIM and a USIM together on a single UICC
    - several USIMs on a single UICC
  - new section and additions following a joint ad hoc with S3

  Note: S3 specifications do not allow certain scenarios which may be commercially wanted (see LS in TP-010087)

Liaison Statements

- **LS on Service Provider Name (TP-010086)**
  - copy to TSG-T for information
  - request to specify the feature received at last T3 plenary
  - exchange of LSs during the meeting (clarification of requirements)
  - CR agreed on the then understanding in T3 (31.102 CR 095)

- **LS on 2G security in 3G network when roaming (TP-010087)**
  - 2G operators intend to issue "combi SIMs" (SIM and USIM on one UICC)
  - a 3G mobile shall ignore the 2G challenge when connected to a UTRAN

- **LS on Application and User interaction in the UE - Principles and specific requirements (TP-010088)**
  - copy to TSG-T for information

Decisions Required by TSG-T #12

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Next Meetings

- ## TSG-T3 #20

  – 03 - 05 September 2000, Marseille, France
  hosted by Gemplus
  followed by EP SCP #7 (05-07 September 2001)

- ## TSG-T3 #21

  – 05 - 07 November, Kyoto, Japan
  hosted by DNP, Toshiba, Fujitsu and Hitachi
  followed by EP SCP #8 (07-09 November 2001)

ETSI EP SCP #5

Indian Wells, 20 - 23 March 2001

> hosted by the North American SIM Manufacturers

- **TS 102 220 Application Identifiers**
  - document merged with TS 31.110

- **TS 102 221 Terminal - UICC interface (TS 31.101)**
  - introduction of logical channels and their security
  - analysis of differences: TS 102 221 - EMV 2000

- **Next meeting: Turku (SF), 26-29 June 2001**

- **Talks continuing on transferring EP SCP into a partnership project**