Status Report T3

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TSG-T #7

Madrid, 13 - 15 March 2000

Documents

- TP-000012: *Status Report to TSG-T #7* (this document)

- TP-000013: CRs to TS 31.101 *UICC-Terminal Interface*

- TP-000014: CRs to TS 31.102 *USIM application*

- TP-000015: CRs to TS 31.110 *Number. system for applications*

- TP-000016: TS 31.111 *USIM Application Toolkit (v. 2.0.0)*

- TP-000017: CRs to TS 21.111 *USIM and IC card requirements*

- TP-000018: New Work Items

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Meetings

- TSG-T3 #12
  - 18 - 21 January 2000, Rome
    hosted by Telecom Italia Mobile (TIM)
  - 36 delegates, 9 countries

- TSG-T3 #13
  - 21 - 24 February 2000, Tokyo
    hosted by Japan Telecom, Mitsubishi, Panasonic

CRs to 21.111 and 31.110

- 21.111 *USIM and IC Card Requirements*
  - ➢ CRs to Release 99 in TP-000017
    - 002: alignment with 33.102 regarding the data integrity of signalling elements and user identity confidentiality
- 31.110 *Numbering system for telecommunication IC card applications*
  - ➢ outstanding Release 99 issues solved
  - ➢ CRs to Release 99 in TP-000016
    - 001: Definition USIM and UICC Application Identifier coding for release management
      - Related to CR to 31.102-001 "Removal of EFappi"
    - 002: Clarification of management of country codes and card issuer identifiers (handled by ITU not by ETSI)

CRs to TS 31.101
UICC - Terminal Interface; Physical and Logical Characteristics

- All outstanding release 99 issues solved

- CRs to Release 99 in TP-000013
  - 001r3:   Completion of security attributes
  - 002r1:   Incorporation of USAT features
  - 003r3:   Completion of File Control Parameters
  - 004r1:   Correction of coding of status words
  - 006:   Definition of application session related procedures
  - 007:   Collection of necessary editorial changes
  - 008:   Power consumption at ATR
  - 009:   Changes to UICC specific files:
    Inclusion of (De-)Activate conditions
  - 010:   Reservation of file IDs

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CRs to 31.102

Characteristics of the USIM Application

- ● All outstanding release 99 issues solved

- ● CRs to Release 99 in TP-000014

  - ➢ 001:   Removal of EFappi (redundant due to CR 31.110-001)

  - ➢ 002:   EFs used in 3G to access GSM networks mandatory when "2G access" is available in the USIM; "2G" replaced with "GSM"

  - ➢ 003r3:   Incorporation of Fixed Dialling Numbers (FDN) service

  - ➢ 004r3:   Incorporation of Barred Dialling Numbers (BDN) service

  - ➢ 005:   Emergency call codes (EF now mandatory; alignment with TS 22.101) see also TP-000019

  - ➢ 006:   EF containing the Packet switched domain now mandatory

  - ➢ 007:   Correction of misleading wording in Authentication and Key Agreement Procedure

  - ➢ 008:   Alignment of terminology for authentication; addition of Kc-GPRS procedure

  - ➢ 009:   Deletion of Annex A; section covered by 31.101

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CRs to 31.102 ctd. (TP-000014)

- ➢ 010: Inclusion of EFs for UE personalisation
- ➢ 011: Removal of SoLSA feature from Release 99
- ➢ 012: Alignment AUTHENTICATE command with 33.102
- ➢ 013: Alignment with Enhanced User Identity Confidentiality
- ➢ 014: Introduction of e-mail addresses in the Phone Book
- ➢ 015: New EF containing APNs (Access Point Names) for Packet switched control
- ➢ 016: Update of Phone Book example in annex
- ➢ 017: Alignment with changes to GSM 11.11 Release 99
- ➢ 018: Alignment with 33.102 - Cipher key and integrity key lifetime (new EFs)
- ➢ 019: Operator controlled PLMN selection (new EFs) - alignment with 22.011
- ➢ 020: Changes to 31.102 to align with 24.008
- ➢ 021: Collection of necessary editorial changes
- ➢ 023: Update to pre-personalisation values in Annex E
- ➢ 024: Update to Annex H on updates to EFs via data download or USAT applications
- ➢ 025: Addition of security architecture as defined in TS 31.101
- ➢ 026: EF_LOCI access conditions (consequential CR due to FDN / BDN)

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31.111 *USIM Application Toolkit (USAT)*

- All outstanding Release 99 issues solved except for one
  - ➢ need feedback from TSG-RAN

- v 2.0.0 contains the agreed solutions
  - ➢ there is an inconsistency with GSM 11.14 concerning the implementation of a CR approved by SMG #31 (see TP-000053) to align it more closely with the JAVA^{TM} API (GSM 03.19)
  - ➢ proposal:
    - to apply the GSM 11.14 CR also to 31.111
    - to align GSM 11.14 R99 with 31.111 at SMG9 #21

- 31.111 presented to TSG-T #7 for approval in TP-000016

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Transfer of Specifications

- SMG #31 agreed to the proposal of SMG9 to transfer the following specifications to TSG-T3

  - ➢ GSM 02.19   *SIM Application Programming Interface (API) - stage 1*

  - ➢ GSM 02.48   *SIM toolkit secure messaging (stage 1)*

  - ➢ GSM 03.19   *SIM Application Programming Interface (API) - stage 2 - (Java^{TM})*

  - ➢ GSM 03.48   *SIM toolkit secure messaging (stage 2)*

- TSG-T is asked to accept these specifications for maintenance by T3 and for inclusion in Release 2000 at the appropriate point

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New Work Items (TP-000018)

- Tests specification for the USIM API
  - ➢ to allow testing of the implementation of the Toolkit framework and virtual machine
  - ➢ output: test specification consisting of API tests and loader tests (GSM 03.19 and GSM 03.48)
  - ➢ secondary responsible WP: T1
  - ➢ WG approval: December 2000

- Feasibility study on interface speed enhancements
  - ➢ evaluation of different candidates:
    - Universal Serial Bus (USB); Multi Media Card Protocol (MMC); FireWire; Enhancement of ISO/IEC 7816 T=1
  - ➢ criteria:
    - performance; power consumption; ease of standardisation; ease of implementation (in the ME and in the UICC)
  - ➢ TSG-T approval: December 2000

Harmonisation of IC Card work

- Officials meeting in Austin on 1 November 1999
  - 15 officials of 2G and 3G SIM, USIM and R-UIM groups
  - recommendation: SMG9 to become the central focus point
    and manage common aspects of mobile telecom smart cards
    - physical interface specifications
    - the common logical interface
    - file ID allocation at the common level; respecting existing structures
    - shared data that is technology independent (e.g. the phone book)

- Approach ratified / supported by all committees involved:
  ANSI T1P1; GAIT; GSMNA; SMG; TR45; 3GPP; 3GPP-T; 3GPP2

- SMG9 #20 welcomed the initiative and would be happy to take on
  the new role

The Way to a Common Smart Card Platform

- Officials meeting #2 in Rome on 17 January 2000
  - ➢ identification of requirements on SMG9 to fulfil the new role
  - ➢ definition of preliminary "working procedures"
  - ➢ identification of some potential platform standards and work
    - ETSI / 3GPP Numbering system for telecom IC card applications
    - TS 31.101: UICC-Terminal Interface; Physical and Logical Characteristics
      - the work on this application independent platform standard would have to be transferred to SMG9
      - there exists an SMG9 work item to split GSM 11.11 into an application specific specification based on a (this) platform standard
    - new ETSI standard on administrative commands
      - this SMG9 document was approved by SMG #31
    - new work on bearer independent (SIM) Toolkit standard
    - 3GPP2 R-UIM specification, CS9000

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Requirements for SMG9's New Role
as Identified by Officials Meeting #2

- SMG9 meetings shall be open to all members of supporting committees
- Location of venues should reflect distribution of participants
- Open area on ETSI server for documents
- Elaboration of procedure to solve conflicts required
- Procedure for the release management to be elaborated by SMG9
- Common specifications should not have a GSM specification number

ETSI Board #24 agreed in principle to transform SMG9
into a new committee open to members of participating committees

New SMG9 Terms of Reference to be presented to ETSI Board #25
(29-30 March 2000) for approval and "set up" to be discussed and approved by
ETSI General Assembly (4-5 April 2000)

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Meeting Calendar

- Ad hoc on new Work Items

- TSG-T3 #14
  - ➢ 24 - 26 May 2000, Gotland
    hosted by Across, Telenor, Telia
  - ➢ co-located with SMG9 #21

- TSG-T #15
  - ➢ August 2000, North America

Decisions Required

- Approval of CRs to TS 31.101 (TP-000013)

- Approval of CRs to TS 31.102 (TP-000014)

- Approval of CRs to TS 31.110 (TP-000015)

- Approval of TS 31.111 (USAT) for Release 99 (TP-000016)

- Approval of TS 21.111 CR 002 (TP-000017)

- Acceptance of GSM specifications to be handled by T3
  - GSM 02.19; GSM 02.48; GSM 03.19; GSM 03.48

- Approval of new Work Items (TP-000018)