3GPP TSG-T (Terminals) Meeting #8
Düsseldorf, Germany, 21 - 23 June, 2000

Tdoc TP-000116

Source: **T3**

Title: **Approved T3 work items**

Agenda item: **6.3**

Document for: **Approval**

New T3 work items at TSG-T #8

This document contains four new work items that were approved by TSG-T #08.

Title	Release
R00 Work item description "Addition of CPHS features"	release2000
R00 Work item description "Enhancements to 03.48"	release2000
R00 Work item description "SIM toolkit interpreter protocol"	release2000
R00 Work item description "Report on SIM/USIM interoperation"	release 2000

TSG WG3 - Work Item:
"Introduction of Features from the Common PCN Handset (CPHS) Specification."

Justification and scope

The Common PCN Handset Specification (CPHS), defines additional terminal and SIM functionality to the standard GSM specifications. The additional functionality enhances the services offered to the subscriber and includes features to both terminal and SIM. Several handset manufacturers have implemented the features; however, they remain outside the core GSM specifications. Since these features have proved useful, it is proposed to standardise them in 3GPP.

3GPP work area

TSG Terminals, WG3 (USIM).

Linked work items

UICC physical and logical characteristics

Service aspects

Functional requirements would be added to 3G TS 21.111.

MMI-aspects

The proposed features will introduce new MMI requirements to 3G TS ??.???.

Charging aspects

None.

Security Aspects

None

Impacts

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

Expected Output and Timescales

TSG adoption of WI	June 2000
Start of work	June 2000
First draft, reviewed by TSG-T	September 2000
Approval of report by TSG-T	December 2000

Work item rapporteur

One2One

Supporting companies

Orange, One2One. Motorola, Across

Primary responsible working party

3GPP TSG-T WG3

Secondary responsible working parties

3GPP TSG-T WG2

Others

None.

Work Item Description for the extension of GSM03.48

Introduction

This work item specifies work proposed to be carried out to extend GSM03.48 for:

- 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.

- Addition of the ability to initiate a SIM application.

1   3GPP Work Area
TSG Terminals WG3 and TSG Service Aspects WG3

2   Linked work items

None

3   Justification

GSM03.48 describes a protocol for secure message exchange between the SIM and other elements. The release 99 version of this specification is however limited to secret key encryption / decryption and validation. Studies of the requirements for message security for mobile commerce have shown that there is a clear need to extend this protocol with the security processes required for Public Key Encryption.

GSM03.48 describes both a general case for secure message transfer and specific realisations of this general case for some GSM bearers. As SMG9 / T3 have added new bearer commands to GSM11.14 / 3GPP 31.,111, this work item should include a review of the implementation of GSM03.48 over the bearer commands currently not covered.

GSM03.48 describes a standard command set for SIM file access and modification however this is limited to commands specified in 3GPP 31.101. To bring this standardised command set in line with other proprietary file update protocols, this work item should include a review of, and an extension of, the command set specified to extend the ability to inform the ME and the user of file updates.

4   Objective

To revise GSM03.48 for

- 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.

- Addition of the ability to initiate a SIM application.

5   Service Aspects
None

6 **MMI-Aspects**

None.

7 **Charging Aspects**

None

8 **Security Aspects**

This is an extension of a security protocol already specified in release 99.

9 **Impacts**

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

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
None						
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments

CR with updates for Release 00 to be presented at T3#15 for information.

CR with updates for Release 00 to be presented at T3#16 for approval.

11 **Work item raporteurs**

Daniel Erricson, Across Wireless

12 **Work item leadership**

Terminals WG3

13 **Supporting Companies**

Vodafone Airtouch, G&D, Across Wireless, Omnitel

14 **Classification of the WI (if known)**

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

14a   The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b   The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c   The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

Work Item Description for

Protocol Standardisation of a SIM Toolkit Interpreter

1   **3GPP Work Area**

Terminals WG3 (USIM)

2   **Linked work items**

3   **Justification**

This work item describes the development of a new specification(s) to standardise on protocols for SIM resident SIM Toolkit interpreters. Currently there are a collection of proprietary specifications which have varying degrees of service delivery and fraud resistance. Standardisation in this area will allow activities to be focused on developing a unified standard. It is envisioned that the work will be split in two parts, a bearer independent part and a bearer dependent part.

4   **Objective**

To design protocol specification(s) for the SIM - Server interface for a SIM Toolkit command interpreter.

5   **Service Aspects**

None. This is an addition of a SIM - server protocol specification.

6   **MMI-Aspects**

None. This is an addition of a SIM - server protocol specification.

7   **Charging Aspects**

None. This is an addition of a SIM - server protocol specification.

8   **Security Aspects**

None. This is an addition of a SIM - server protocol specification.

9   **Impacts**

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

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

Definition of Specification structure(s)   3GPP T3#15

Draft Specification(s) for information   3GPP T3#16

Specification(s) issue   Release 00 (T Plenary December)

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

11   **Work item raporteurs**

Michael Meyer, G & D

12   **Work item leadership**

Terminals WG3

Terminals WG2 has secondary responsibility

13   **Supporting Companies**

Vodafone Airtouch, Across Wireless, Omnitel, Telenor, G&D, Gemplus, Schlumberger, Oberthur, BT-Cellnet, ORGA, Keycorp, One2One, Setec, LG.

14   **Classification of the WI (if known)**

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

14a   The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b   The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c   The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)

TSG WG3 - Work Item:
"Technical Report on GSM/3G SIM/USIM Interworking"

Justification and scope

3G specifications permit the presence of a GSM and a USIM application on a UICC simultaneously. Furthermore the USIM application may also provision GSM specific parameters in order for a multimode 3G/GSM terminal to access GSM radio network.

The co-existence of these two applications is not described in existing specifications, specifically regarding how information could be shared and linked. Also under which conditions which application is to be selected and which parameters are to be used, e.g. when being handed over to another radio access network technology within the USIM session.

It is proposed to produce clarifications concerning the usage of the different applications and the parameters.

This work item will result in an appropriate Technical Report.

3GPP work area

TSG Terminals, WG3 (USIM)

Linked work items

GSM / 3G Interworking

Service aspects

Service Requirements from TSG-SA WG1 shall be taken into account.

MMI-aspects

CRs will be proposed to T2 for the selection of an application.

Charging aspects

None.

Security Aspects

Security Requirements from TSG-SA WG3 shall be taken into account.

Impacts

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

Expected Output and Timescales

TSG adoption of WI   June 2000

Start of work   June 2000

First complete draft   August 2000   Version 1.0.0

WG approval   November 2000   Version 2.0.0

TSG approval   December 2000   Version 3.0.0

Work item rapporteur

Proposed rapporteur : Günter Maringer (T-Mobil)

Supporting companies

Gemplus, T-Mobil, Giesecke & Devrient, Ericsson

Primary responsible working party

3GPP TSG-T WG3

Secondary responsible working parties

T2.

Others

None.