

Source: T3

Title: New work item description for "C-language binding for (U)SIM API"

Work Item Description

Title

'C'-language binding for (U)SIM API

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

None.

3 Justification

ETSI SMG9 produced the following two documents:

1. 02.19 (SIM API Stage 1), which defines a technology neutral, generic API.
2. 03.19 (SIM API Stage 2, Java Card™ implementation) which defines how to implement a multi-application SIM on the Java Card™ platform.

The Stage 2 specification is both programming language (Java) and technology-specific (Java Card™) and therefore excludes other technologies and programming languages. Recognising that alternative programming languages and technology platforms may provide different characteristics or benefits, and will expand network operator choice, it was proposed that other Stage 2 specifications for SIM API be allowed.

Work was already underway to implement 'C' programming support for (U)SIM API on both the MULTOS and Windows for Smart Card platforms. Parties involved in both efforts have agreed to unify their efforts and standardise a single 'C' programming interface for (U)SIM API. This work item replaces an approved work item for "(U)SIM API for MULTOS" and a proposed work item for "SIM API for Windows for Smart Cards".

4 Objective

- To produce a "'C'-language binding for (U)SIM API" specification.
- The specification produced shall comply with 02.19.
- To submit the document for approval as part of the [R5] specification release.
- To produce a "'C'-language binding for (U)SIM API" Test Specification.
- There may be additions required to 03.48.

5 Service Aspects

None.

6 MMI-Aspects

None. The API defined by “‘C’-language binding for (U)SIM API” is internal to the (U)SIM and therefore transparent to the ME.

7 Charging Aspects

None.

8 Security Aspects

None.

9 Impacts

Affects:	(U)SIM	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
	'C'-language binding for (U)SIM API	T3		T13 Sept 2001	T14 Dec 2001	
	'C'-language binding for (U)SIM API Test Specification	T3		T15	T16	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary #	Comments	
None						

11 Work item rapporteurs

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12 Work item leadership

TSG-T WG3

13 Supporting Companies

Aspects Software

Bluefish
BT Cellnet
Dai Nippon Printing
Giesecke & Devrient
Hitachi
Keycorp
MAOSCO
Microsoft
Mobile-Mind
Mondex International
Sagem

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)