Source:	**Vodafone**
Title:	**WI description for supporting USIM toolkit security enhancements in T3**
Document for:	**Approval**
Agenda Item:	**8.3**

Work Item Description

Title

USIM toolkit security enhancements

1   3GPP Work Area

X	Radio Access
X	Core Network
X	Services

2   Linked work items

T3 work item "Enhancements to 03.48" approved at T#8 as TP-000116.

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 the use of secret key techniques. Studies of the requirements for message security for mobile commerce have shown that there is a clear need to extend 03.48 to support public key techniques. In addition, with the advent of other "Toolkits" such as WAP and MExE, and the need for these Toolkits to communicate securely with the SAT, it is felt that a "many-to-one" solution for the secure transmission of messages to and from the SAT is required.

4   Objective

To monitor T3 work to enhance 03.48 and to provide the necessary security expertise where required.

5   Service Aspects

None identified.

6   MMI-Aspects

None identified.

7   Charging Aspects

None identified.

8 Security Aspects

The main aspect of this work item is security.

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)

T3 aim to provide CRs at T3#15 (August) for information and at T3#16 (13-15 November) for approval.

Meeting	Date	Activity
S3#16	28-30 November 2000	Review T3 CRs.

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
33.102						
03.20						

11 Work item raporteurs

Peter Howard, Vodafone

Peter.Howard@vf.vodafone.co.uk

Tel +44 1635 676206

Fax +44 1635 231721

12 Work item leadership

TSG SA WG3

13 Supporting Companies

Vodafone

14 Classification of the WI (if known)

	Feature (go to 14a)

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