3GPP TSG-T plenary meeting #20 ***Tdoc TP-030129***
Hämeenlinna, Finland, 4-6 May 2003

3GPP T3#27 T3-030394
Sapporo, Japan, 20-23 May 2003

Work Item Description

Title

WLAN Interworking impact on UICC applications

1 3GPP Work Area

	Radio Access
	Core Network
X	Services
X	Terminals

2 Linked work items

SP-020542 (SA2), SP-020574 (SA1), SP-020514 (SA3)

3 Justification

Some operators are requesting smartcard based authentication solutions for WLAN interworking. As a result, SA1 endorsed investigations by T3 on optional enhancements to its specifications to properly address this need and ensure compliance with SA3 specifications.

Potential impacts are foreseen in the following areas:

- Authentication: While EAP AKA provides a satisfactory authentication mechanism using a USIM, the current solution for using a SIM, EAP-SIM, is open to potential attacks. An IETF draft "EAP support in Smartcards", proposes potential improvements on top of EAP SIM to address these concerns. These proposals need to be considered.
- The above concern also applies when using a USIM for WLAN authentication in a GSM security context.
- Provisioning of WLAN specific parameters: for example, the temporary identifiers specified in TS 23.234 R6 could be stored on the USIM.

4 Objective

In liaison with other 3GPP groups involved in WLAN interworking activities, develop Release 6 change requests to the existing T3 specifications, or a new release 6 specification, as appropriate, to address the above demands.
A liaison with EP SCP will also be established as some developments might have applications beyond the 3GPP specific context.

Depending on the guidance from other groups, the following three possible solutions for authentication will be considered:

1) EAP SIM
2) EAP for Smartcard
3) EAP AKA

5 Service Aspects

Service requirements defined by SA1 will be met.

6 MMI-Aspects

None.

7 Charging Aspects

Potentially, but none identified by T3.

8 Security Aspects

Security requirements defined by SA3 will be met.

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9 Impacts

Affects:	UICC Apps	ME	AN	CN	Others
Yes	X	X		X	
No			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
TBD		T3		T#21	T#22	Depending on the outcome of the work item
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
TBD	TBD					Depending on the outcome of the work item

11 Work item rapporteurs

Jorge Abellan
SchlumbergerSema
Jabellan@montrouge.sema.slb.com

12 Work item leadership

TSG T WG3

13 Supporting Companies

SchlumbergerSema, Orange France, Gemplus, Telefonica Moviles, Giesecke & Devrient

14 Classification of the WI (if known)

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

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

14b The WI is a Building Block: parent Feature

Parent feature "Wireless LAN Interworking", as given in *SP-020574 (SA1).*

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