

3GPP TSG SA WG3 Security — S3#26
25 - 28 February 2003
Sophia Antipolis, France

S3-030154

Work Item Description

Title **3GPP Generic User Profile Security**

1 **3GPP Work Area**

	Radio Access
X	Core Network
X	Services
X	Terminals

2 **Linked work items**

VHE,
OSA,
Subscription Management,
UE Management,
ME_xE,
IMS,
MMS,
Presence,
Location Based Services,
Push,
Network Domain Security,
Access Security for IP-based services

3 **Justification**

3GPP SA WG2 is developing specifications for Generic User Profile in 3GPP. New security requirements have to be developed to support this new functionality, therefore a new 3GPP SA WG3 WI is needed.

4 **Objective**

The objective of this WI is to evaluate and develop the “Generic User Profile” security requirements, documented in 3G TS 22.240, and to generate the necessary CR’s to S3 and S2 specifications.

The scope of this work item includes:

- Authentication and authorisation mechanisms for access to user profile data.
- Integrity protection and confidentiality mechanisms for the transfer of user profile data between core network elements,

- Authentication, Integrity protection and confidentiality mechanisms for transfer of user profile data between the UE and the core network.
- Authentication, Integrity protection and confidentiality mechanisms for transfer of user profile data between third party providers and the core network

5 Service Aspects

Services are customised and personalised by the 3GPP Generic User Profile.

6 MMI-Aspects

The user is able to activate, deactivate, and customise a user profile.

7 Charging Aspects

It shall be possible to support charging for the management and use of user profiles, and for access to user profiles (e.g. alteration of call forwarding).

8 Security Aspects

The work item is a security item. Access to the 3GPP Generic User Profile data shall be performed in a secure and authenticated manner, and the integrity of user profile information shall be assured.

9 Impacts

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

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

The results of this Work Item shall be provided in a Technical Standard or CRs to existing Technical Standards.

The following Work Plan is proposed.

Meeting	Date	Activity
S3#24	July 9-12, 2002	Approval of this WID. Discussion of security principles and requirements.
S3#28 5	2003 <u>May 6 - 9</u> October 8-11, <u>2002</u>	Discussion of security principles and requirements and potential solutions. Definition and agreement on security architecture. Agreement of security solutions and discuss draft CRs

S3#296	July 15-18 2003 November 19-22, 2002	The required CRs approved
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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	
33.203		Access Security for IP-based services		TSG-SA#18		
33.210		Network Domain Security		TSG-SA#18		
33.102		Security Architecture		TSG-SA#18		

11 Work item rapporteur

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12 Work item leadership

TSG SA WG3

13 Supporting Companies

Siemens, Ericsson, Motorola, Orange, Nokia, Lucent Technologies

14 Classification of the WI

	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: The 3GPP Generic User Profile

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