3GPP TSG SA WG3 Security — S3#34   **S3-040637**

July 6 - 9, 2004, Acapulco, Mexico

Work Item Description

Title

Security for early IMS

1   3GPP Work Area

	Radio Access
X	Core Network
	Services

2   Linked work items

~~There is related CN4 stage 3 work~~.

3   Justification

It is understood that some "early" IMS implementations may not offer the full set of 3GPP Release 5 security features as defined in TS 33.203. This has created the need for interim security solutions. Although full support of TS 33.203 security features is preferred from a security perspective, it must be acknowledged that early IMS implementations will exist which do not support these features. Therefore, it is important to ensure that an interim security solution is standardised to avoid interoperability problems and to ensure that these early IMS implementations provide an adequate level of security.

4   Objective

The objectives of this work item are:
- to develop requirements for an interim security solution for early IMS
- to develop, ~~preferably,~~ a single interim security solution for early IMS
- to ensure that the interim solution for early IMS is adequately standardised
- ~~to define the migration path towards the IMS AKA solution~~

Some work with respect to the first and second objectives has already been carried out (see S3-040264/265).

The interim solution should not be considered as a long-term replacement for the full 3GPP Release 5 solution.

It is intended to specify the interim solution in an informative part of the 3GPP specifications (i.e. in a TR)3~~2~~3.8xx) ~~except where there is an impact on existing normative specifications (e.g. Cx interface).~~

5   Service Aspects

~~The interim solution should be applicable to all services that are based on IMS.~~ The interim solution should be applicable to all services that are based on early IMS.

6   MMI-Aspects

The solution should preferably require no user involvement.

7   Charging Aspects

Compared with the full security solution in TS 33.203, the interim solution should not impose any restrictions on the type of charging model that can be adopted.

8   Security Aspects

Security is a fundamental part of this work item.

9   Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes		**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
TR 33.8~~9~~xx	Interim security solution for early IMS	SA3	SA1, SA2~~-~~	SA#26 (Dec 04)		Exact title TBD.
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
~~29.228~~		~~Changes to Cx interface to accommodate interim security solution for IMS~~		~~CN#26 (Dec 04)~~		
~~29.229~~		~~Changes to Cx interface to accommodate interim security solution for IMS~~		~~CN#26 (Dec 04)~~		

11   Work item rapporteur

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12   Work item leadership

TSG SA WG3

13   Supporting Companies

BT, Ericsson, Siemens, T-Mobile, Vodafone, Nokia, Huawei, Motorola

14   Classification of the WI (if known)

X	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