

**3GPP TSG CN Plenary  
Meeting #10, Bangkok, Thailand  
6<sup>th</sup> – 8<sup>th</sup> December 2000**

**Tdoc NP-000748**

**3GPP TSG WG SA3 –Security SA3#16  
28-30 November, 2000  
Sophia Antipolis, France**

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**S3-000740**

**Title: Positive authentication reporting**

**Source: TSG SA WG3**

**To: TSG CN**

**Copy: TSG CN WG4**

**Contact Person:**

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S3 would like to thank CN#9 for their LS on positive authentication reporting (CN-000544=S3-000647) which requests that S3 provide a response to an LS from N4 on positive authentication reporting and that a work item description is created by S3 for this work. S3 would like to point out that a reply had already been sent to N4 (with a copy to CN) prior to CN#9 (S3-000605). Furthermore, S3 would like to indicate that a work item called “enhanced home control of security” to support positive authentication reporting was approved at SA#9 (SP-000421).

Att: WI description for enhanced home control of security

2-4 August, 2000

Oslo, Norway

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**Source:** Vodafone

**Title:** WI description for enhancing home environment control of security

**Document for:** Approval

**Agenda Item:** 12

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### Work Item Description

#### **Title**

**Enhancing home environment control of security**

#### **1 3GPP Work Area**

X	Radio Access
X	Core Network
X	Services

#### **2 Linked work items**

None identified

#### **3 Justification**

In order to facilitate global roaming the 3GPP authentication and key agreement mechanism has been adopted by the TIA TR-45 group. TR-45 have identified requirements for enhancing the degree of control the home environment can exert on the serving network with respect to authentication and key agreement. In particular, two security features are required by TR-45:

- Authentication vector revocation
- Positive authentication result reporting

#### **4 Objective**

The objectives of this work item are:

- to assess the requirements identified by TR-45 to determine what functional changes should be made to the R00 security architecture
- to produce the necessary stage 2 specifications
- to ensure that the stage 3 specifications are developed by the relevant groups

#### **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)

Meeting	Date	Activity
S3#15	September 2000	Responses to liaison statements on the feasibility of the identified features expected from N4.  S3 to assess the requirements identified by TR-45 to determine what functional changes should be made to the R00 security architecture.
S3#16	November 2000	Stage 2 specifications complete.

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						

## 11 Work item raporteurs

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## 12 Work item leadership

TSG SA WG3

**13                    Supporting Companies**

Telenor

Nokia

Vodafone

**14                    Classification of the WI (if known)**

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