3GPP TSG SA WG3 Security — S3#25 **S3-020481**
8 - 11 October 2002
Munich, Germany

3GPP TSG CN WG4 Meeting #16 ***N4-021259***
Miami, USA, 23rd – 27th September 2002

Title:	LS on Status of protocol work on Ze interface
Response to:	LS (S3-020398) on Status of protocol work on Ze interface from WG SA3.
Release:	Rel-6
Work Item:	Protocol definition for automatic distribution of MAP security keys
Source:	CN4
To:	SA3
Cc:	

Contact Person:
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Attachments: N4-021258 [WID for Protocol definition for automatic distribution of MAP security keys].

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1. Overall Description:

CN4 would like to inform SA3 that CN4 has now created work item description for the stage 3 work on Ze interface. This work item description will be submitted to CN #18 for approval. According to the work item description the stage 3 work should be ready for approval in CN #20 (June 2003).

2. Actions:

None.

3. Date of Next CN4 Meetings:

CN4 #17	11th Nov. – 15th Nov. 2002	Bangkok, Thailand
CN4 #18	10th Feb. – 14th Feb. 2003	Dublin, Ireland

3GPP TSG CN WG4 Meeting #16 ***N4-021258***
Miami, USA, 23rd – 27th September 2002

Source: Nokia
Title: Protocol definition for automatic distribution of MAP security keys
Agenda item: 5
Document for: APPROVAL / DISCUSSION

Work Item Description

Title

Protocol definition for automatic distribution of MAP security keys

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

Related WIs are:
1. Security enhancements (1571-SA3)

3 Justification

An identified security weakness in 2G systems is the absence of security in SS7 networks. This was formerly perceived not to be a problem, since this network was the province of a small number of large institutions. This is no longer the case, and so there is now a need for security precautions.

This work item describes ongoing work in CN4 for the stage 3 work on Ze interface for automatic key distribution for MAP security.

4 Objective

The MAP protocol is used for signaling in and between core networks. It is the objective of this work item to define the protocol used in Ze interface between KAC and MAP-NE for automatic key distribution to allow allow updating of keys and security policies more frequently and with less possibility for error than with manual updating.

5 Service Aspects

None

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

The work item is a security item.

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)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
29.xxx	MAP Security Signalling Flows for Ze Interface	CN4		CN#19	CN#20	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

Affected existing and new IETF specifications				

11 Work item raporteurs

Jari Jansson [jari.jansson@nokia.com]

12 Work item leadership

CN4

13 Supporting Companies

Nokia, Vodafone, Nortel

14 Classification of the WI (if known)

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

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

Rel-6 MAP application layer security *(33003-SA3)*