

3GPP TSG-SA Meeting #26
13th – 16th December 2004. Athens, Greece.

TSGS#26(04)0746

Source: TSG SA WG2
Title: WID PS domain and IM CN subsystem support for IMS Emergency sessions
Agenda item: 7.2.3
Document for: APPROVAL

Work Item Description

Title: PS domain and IM CN subsystem impacts for supporting IMS Emergency calls

1 3GPP Work Area

X	Radio Access
X	Core Network
	Services

2 Linked work items

(1646) Stage 3 for emergency calls and packet emergency calls in general
(32074) System enhancements for fixed broadband access to IMS

3 Justification

It shall be possible to establish an emergency session via the PS domain and the IM CN subsystem to meet the requirements defined in TS 22.101. Emergency sessions shall be routed to an emergency centre in accordance with national regulations. This may be based upon one or more default addresses stored in the ME and/or USIM and information about the origin of the session. It shall be allowed to establish a PS emergency session without the need to dial a dedicated number to avoid the mis-connection in roaming case, such as connect by menu, or a linkage to a car air bag control. The WI shall take into account requirements coming from fixed broadband access to IMS and seek for maximum commonality of architectural solutions between 3GPP and fixed broadband access to IMS.

4 Objective

The objective of this WI is to study and specify the functionalities required to meet the requirements as defined in TS 22.101 and other relevant specifications for emergency session handling in the PS domain and the IM CN subsystem. The objective is to specify the functionalities for both the UICC-less case, and the case when the UE has a valid UICC. With respect to fixed broadband access to IMS the objective is to keep work on the IM CN subsystem specific aspects of IMS emergency calls independent from the PS domain aspects as much as possible so that work on each part can progress individually.

5 Service Aspects

As defined in TS 22.101 and other relevant specifications to include but not limited to:

The main focus is on:

- Support for SIP emergency sessions and related packet bearers

Points to be considered, too:

- Using the existing emergency numbering schemes
- Compliant with FCC mandates, European and other regulatory requirements
- Possibility to initiate emergency sessions to different emergency service centers, depending on the type of emergency
- The function shall be supported when roaming
- Relations with Location Services

6 MMI-Aspects

As defined in TS 22.101 and other relevant specifications, it shall be possible to implement different MMIs to invoke emergency services. This can be for example done by the dialled number, a dedicated Menu, one or more dedicated buttons, etc.

7 Charging Aspects

None.

In accordance to 22.101, no impacts on charging are foreseen.

8 Security Aspects

None.

In accordance to 33.102, no impacts on security are foreseen. But implications for access to PS domain & IM CN subsystem without security need to be considered.

9 Impacts

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

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

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 23.867	IP based IMS Emergency Sessions	SA2		TSG#27	TSG#28	The provided dates refer to the IM CN subsystem aspects of IMS emergency calls. The WI will be updated when dates for the finalization of the PS domain part can be fixed.
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
23.228						
23.060						
23.002						

11 Work item rapporteurs

Rainer Liebhart (Siemens)

12 Work item leadership

TSG-SA WG2

13 Supporting Companies

Nokia, Motorola, Ericsson, Lucent, Siemens, Alcatel

14 Classification of the WI (if known)

X	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

Feature	Building block	Description
PS domain and IM CN subsystem support for IMS Emergency sessions	IM CN subsystem aspects to support IMS Emergency sessions	SA2 will develop the stage-2 architectural concepts to support emergency sessions in the IM CN subsystem within the scope of this Building Block. The present Work Item Description sheet intends to create this Building Block for stage-2.
PS domain and IM CN subsystem support for IMS Emergency sessions	PS domain aspects to support IMS Emergency sessions	SA2 will develop the stage-2 architectural concepts to support emergency sessions in the PS domain within the scope of this Building Block. The present Work Item Description sheet intends to create this Building Block for stage-2.

14b The WI is a Building Block: parent Feature

N/A

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

N/A