

**3GPP TSG CN Plenary Meeting #22
10th - 12th December 2003. Hawaii, USA.**

NP-030488

Source: MCC
Agenda item: 9.4
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**3GPP TSG-CN1 Meeting #32
Bangkok, Thailand, 27 – 31 October 2003**

Tdoc N1-031570

Source: Ericsson
Title: WID, Emergency Call Enhancements for IP & PS Based Calls – Stage 3
Agenda item: 8.7
Document for: APPROVAL

Work Item Description

Title:

Emergency Call Enhancements for IP& PS Based Calls – stage 3

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

(32045) PS domain and IMS impacts for supporting IMS Emergency calls

3 Justification

It shall be possible to establish an emergency call by IMS over the PS domain. Emergency calls will be routed to the emergency services in accordance with national regulations. This may be based upon one or more default numbers stored in the ME and/or USIM. It shall be allowed to establish an IMS emergency session without the need to dial a dedicated number to avoid the mis-connection in roaming case, such as menu, or by automatic activation. This functionality shall be supported by the UE without a SIM/USIM being present. No other type of calls than emergency calls shall be accepted without a SIM/USIM.

4 Objective

The objective of this WI is to study the functionalities required on the protocol level to meet the requirements as defined in TS 22.101, 23.060, 23.228 and other relevant specifications for emergency call handling in the IM CN Subsystem and in the PS domain.

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 calls in the IM CN Subsystem 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 calls to different emergency call centers, depending on the type of emergency
- The function shall be supported when roaming

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 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

To be determined.

9 Impacts

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

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
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
24.008		PS based emergency calls			TSG# 242 June 2004 Dec. 2003	CN1 resp. Changes to RIL-3 due to emergency calls for the PS domain
24.228		Emergency calls for IMS			TSG# 242 June 2004 Dec. 2003	CN1 resp. Changes to IMS due to the availability of a PS bearer for emergency calls
24.229		Emergency calls for IMS			TSG# 242 June 2004 Dec. 2003	CN1 resp. Changes to IMS due to the availability of a PS bearer for emergency calls
29.061		PS based emergency calls			TSG# 242 June 2004 Dec. 2003	CN3 resp. Changes to the interworking between PLMN and PDNs due to emergency calls for the PS domain
29.163		PS based emergency calls			TSG# 242 June 2004 Dec. 2003	CN3 resp. Additions to the IW due to emergency calls.
29.060		PS based emergency calls			TSG# 242 June 2004 Dec. 2003	CN4 resp. Changes to GTP due to emergency calls for the PS domain

11 Work item rapporteurs

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12 Work item leadership

TSG-CN1

13 Supporting Companies

Ericsson, T-Mobil, TIM, Motorola, Fujitsu Limited, Lucent Technologies

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)

	Work Task (go to 14c)
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14a The WI is a Feature: List of building blocks under this feature

N/A

14b The WI is a Building Block: parent Feature

PS domain and IMS impacts for supporting IMS Emergency calls (unique id 32045)

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

N/A