3GPP TSG CN Plenary Meeting #19   **NP-030144**
12th - 14th March 2003. Birmingham, U.K.

Source: **Rapporteur - Ericsson**

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

Agenda item: **9.4**

Document for: **Approval**

3GPP TSG CN Plenary Meeting #19   *NP-030059*
12th - 14th March 2003. Birmingham, U.K.

Source: *CN1*

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

Agenda item: *9.4*

Document for: Approval

~~3GPP TSG-CN1 Meeting #28~~   *~~Tdoc N1-030217~~*
~~Dublin, Ireland,   10 – 14 February 2003~~

~~3GPP TSG CN Plenary~~   ~~Tdoc NP-010137~~
~~Meeting #11, Palm Springs, U.S.A~~
~~14th - 16th March 2001~~

_____

Work Item Description

Title:

~~PS based~~ **Emergency Call** **Enhancements for IP& PS Based Calls – stage 3**~~in Rel-5~~

1   3GPP Work Area

	Radio Access
X	Core Network
~~X~~	Services

2   Linked work items

(1652)   PS domain and IM CN subsystem impact for supporting IMS emergency calls~~Emergency Call Enhancements~~
~~(2527)   Emergency calls without UICC/SIM in networks with IMS~~

3   Justification

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It shall be possible to establish an emergency call via 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 a PS emergency call without the need to dial a dedicated number to avoid the mis-connection in roaming case, such as menu, or a linkage to a car air bag control. ~~This functionality shall be supported by the UE without a SIM/USIM being present. No other type than Emergency calls shall be accepted without a SIM/USIM.~~ 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 handing 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 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

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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~~None~~.

~~In accordance to 33.102, no impacts on security are foreseen~~.

9   Impacts

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

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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
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
~~22.101,~~		~~SIP Emergency Calls~~			~~TSG#14~~	
~~23.228~~		~~SIP Emergency Calls~~			~~TSG#14~~	
~~24.228~~		~~SIP Emergency Calls~~			~~TSG#14~~	
24.008		~~SIP~~PS based ~~E~~emergency ~~C~~calls			TSG#22~~11~~ 4 Sept. 2003	CN1 resp. Generic changes to RIL-3 due to emergency calls for the PS domain
24.228		~~SIP~~ Emergency ~~C~~calls for IMS			TSG#22~~11~~ 4 Sept. 2003	CN1 resp. Changes to IMS due to the availability of a PS bearer for emergency calls
24.229		~~SIP~~ Emergency ~~C~~calls for IMS			TSG#22~~11~~ 4 Sept. 2003	CN1 resp. Changes to IMS due to the availability of a PS bearer for emergency calls

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29.061		PS based emergency calls	TSG#22~~1~~ Sept. 2003	CN3 resp. Generic changes to the interworking between PLMN and PDNs~~RIL-3~~ due to emergency calls for the PS domain
29.163		PS based emergency calls	TSG#22~~1~~ Sept. 2003	CN3 resp. Additions to the IW due to emergency calls.
29.060		PS based emergency calls	TSG#22~~1~~ Sept. 2003	CN4 resp. ~~Is~~It is FFS whether this spec is affected.~~?~~ Generic changes to GTP~~RIL-3~~ 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~~CSELT/SIM~~, Motorola, Fujitsu Limited, Lucent Technologies

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14   Classification of the WI (if known)

	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

N/A

14b   The WI is a Building Block: parent Feature

PS domain and IM CN subsystem impact for supporting IMS emergency calls~~Emergency call enhancements~~ **(unique id 1652)**

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

N/A