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Work Item Description

Title: PS based Emergency Call in Rel-5

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

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3   Justification

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.

~~It shall be possible for the called emergency instance to recall the emergency caller, if the call is interrupted. However, loss of radio contact is out of scope of this requirement. This functionality shall be supported with and without a USIM being present in the UE.~~

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 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
⚐ ~~Possibility to call back the emergency caller, if the emergency call dropped - a loss of radio contact shall not be considered~~
⚐ 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

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					
Don't know			X		

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		
24.229		SIP Emergency Calls		TSG#14		
23.060		SIP Emergency Calls		TSG#14		
24.008		SIP Emergency Calls		TSG#14		

11   Work item rapporteurs

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12   Work item leadership

TSG-CN1

13   Supporting Companies

Ericsson, T-Mobil, CSELT/SIM, 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)

14a   The WI is a Feature: List of building blocks under this feature

N/A

14b   The WI is a Building Block: parent Feature

Emergency call enhancements

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

N/A