

**3GPP TSG_CN
Plenary Meeting #8, Dusseldorf, Germany
21st – 23rd June 2000.**

Tdoc NP-000264

Source: TSG_N WG "1"
Title: R00 WIs for "Emergency call enhancement"
Agenda item: 7.3
Document for: APPROVAL

Introduction:

This document contains "2" WIs, which are forwarded to TSG_N Plenary meeting #8 for approval.

- 1- R00 WI "**CS based Emergency call enhancements**"
- 2- R00 WI "**PS based Emergency call enhancements**"

Work Item Description

Title: CS based Emergency Call Enhancements in R00

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 speech call to the serving network. 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 emergency call without the need to dial a dedicated number to avoid the mis-connection in roaming case, such as menu, ~~by use of a 'red button'~~, 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 an 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, TS 22.976 and other relevant specifications.

5 Service Aspects

As defined in TS 22.101, TS 22.976 and other relevant specifications to include but not limited to:

- 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 functions shall be supported, when roaming
- ~~Support for SIP emergency calls and packet emergency calls~~

6 MMI-Aspects

??As defined in TS 22.101, TS 22.976 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.

8 Security Aspects

??

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	<u>X</u>	X		X	
No			<u>X</u>		
Don't know		<u>X</u>			

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	
24.008		Category Type		TSG#9		
		SIP / Packet Emergency Calls		TSG#?		
		Emergency call recalling capability enhancement		TSG#10		

11 Work item raporteurs

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12 Work item leadership

TSG-N1, TSG-S1 ??

13 Supporting Companies

Ericsson, NTT DoCoMo, NEC, ??

14 Classification of the WI (if known)

	Feature (go to 14a)
<u>X</u>	Building Block (go to 14b)
<u>X</u>	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

| N/A **Emergency call enhancements**

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

| N/A ~~Call control and roaming to support IP-based multimedia services in UMTS~~

Work Item Description

Title: PS based Emergency Call in R00

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, TS 22.976 and other relevant specifications for emergency call handing in the PS domain.

5 Service Aspects

As defined in TS 22.101, TS 22.976 and other relevant specifications to include but not limited to:

- Support for SIP emergency calls and related packet bearers
- 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

As defined in TS 22.101, TS 22.976 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.

8 Security Aspects

??

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	X			X	
No			X		
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
Maybe in a new spec	SIP Emergency Calls				TSG#10	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

11 Work item raporteurs

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12 Work item leadership

TSG-N1, TSG-S1 ??

13 Supporting Companies

Ericsson, T-Mobile, ...

14 Classification of the WI (if known)

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