3GPP TSG_CN **Tdoc NP-000447**
Plenary Meeting #9, Oahu, Hawaii
20th – 22nd September 2000.

Source: **TSG_N WG 1**

Title: **CRs to R00 Work Item CS based Emergency call Enhancement**

Agenda item: **7.3.1**

Document for: **APPROVAL**

Introduction:

This document contains 1 CRs on R00 Work Item CS based ECE, that has been agreed by TSG_N WG1, and is forwarded to TSG_N Plenary meeting #9 for approval.

Spec	CR	R	Doc-2nd-Level	Phase	Subject	Cat	Ver_C	Ver_N
24.008	245	3	N1-001046	R00	Emergency Call Additions	B	3.5.0	4.0.0

N1-001046
Rev of N1-001043

3GPP-CN1 Meeting #13
Vancouver/Canada, 14-18 August 2000

Document ***Rev of N1-000919***
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

24.008	**CR**	**245r~~3~~2**	Current Version:	3.4.1

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	TSG-CN#9	for approval	X	strategic		(for SMG use only)
list expected approval meeting # here ↑		for information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)*	(U)SIM	X	ME	X	UTRAN / Radio		Core Network	X

Source: TSGN1 **Date:** 16 August, 2000

Subject: Emergency Call additions

Work item: CS Emergency call handling

Category: *(only one category shall be marked with an X)*				**Release:**	
F	Correction			Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature	X		Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification			Release 99	
				Release 00	X

Reason for change: 22.101 requires that emergency calls shall be routed to different emergency centres based on the emergency type. Therefore emergency call categories are defined, which are transferred in the emergency call setup. The new information element is defined in a generic way, which allows using it for other services in future, too.

Clauses affected: 9.3.8, 10.5.4

Other specs affected:			
Other 3G core specifications		→ List of CRs:	
Other GSM core specifications		→ List of CRs:	
MS test specifications		→ List of CRs:	
BSS test specifications		→ List of CRs:	
O&M specifications		→ List of CRs:	

Other comments: The presented method to transfer the emergency type from the UE to the MSC fulfils all requirements from S1. It is even the recommended method.

help.doc

<--------- double-click here for help and instructions on how to create a CR.

FIRST MODIFIED SECTION

9.3.8 Emergency setup

This message is sent from the mobile station to initiate emergency call establishment.

See table 9.62/TS 24.008.

Message type: EMERGENCY SETUP

Significance: global

Direction: mobile station to network

Table 9.62/TS 24.008: EMERGENCY SETUP message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	Emergency setup message type	Message type 10.4	M	V	1
04	Bearer capability	Bearer capability 10.5.4.5	O	TLV	3-9
2D	Stream Identifier	Stream Identifier 10.5.4.28	O	TLV	3
2E	Emergency category	Service category 10.5.4.x	O	TLV	3

9.3.8.1 Bearer capability

If the element is not included, the network shall by default assume speech and select full rate speech version 1. If this information element is included, it shall indicate speech, the appropriate speech version(s) and have the appropriate value of radio channel requirement field.

For UMTS speech the default UMTS AMR speech version shall be assumed.

9.3.8.2 Stream Identifier

This information element shall be included by the mobile station supporting multicall.

9.3.8.3 Service category

If this information element is included, it shall indicate the selected emergency call category.

If the element is not included, the network shall by default assume a non-specific emergency call.

NEXT MODIFIED SECTION

10.5.4.x Service category

The purpose of the *Service category* information element is to provide the network with information about services invoked by the user equipment.

The *Service category* information element is coded as shown in figure 10.5.xyz/TS 24.008 and table 10.5.xyz/TS 24.008

The *Service category* is a type 4 information element with a minimum length of 3 octets.

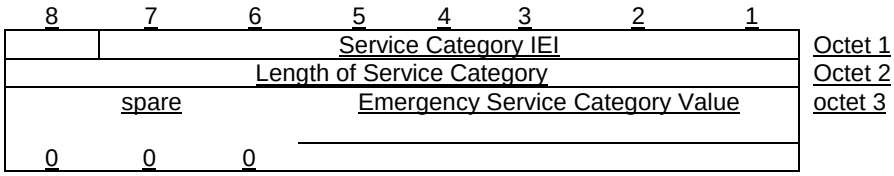

Figure 10.5.xyz/TS 24.008 Service Category information element

Table 10.5.xyz/TS 24.008: Service Category information element

Emergency Service Category Value (octet 3)
The meaning of the Emergency Category Value is derived from the following settings:
Bit 1 Police Bit 2 Ambulance Bit 3 Fire Brigade Bit 4 Marine Guard Bit 5 Mountain Rescue Please see 22.101 section 8.
Bits 6,7,8 are spare and set to "0".
Mobile station may set one or more bits to "1". If more than one bit is set to "1", routing to a combined emergency centre (e.g. ambulance and fire brigade in Japan) is required. If the MSC can not match the received service category to any of the emergency centres, it shall route the call to an operator defined default emergency centre.
If no bit is set to "1", the MSC shall route the emergency call to an operator defined default emergency centre.