Technical Specification Group Services and System Aspects   **TSGS#8(00)0213**
Meeting #8, Düsseldorf, Germany, 26-28 June 2000

Source: **TSG SA1**

Title: **CRs to Emergency calls (22.101) for Release 2000**

Document for: **Approval**

Agenda Item: **6.1.3**

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New
SP-000213	S1-000352	22.101	037		R00	B	Emergency Calls and numbers used	3.9.0	4.0.0

CHANGE REQUEST

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

22.101	CR	037	Current Version:	3.9.0

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

For submission to:		for approval	**X**	strategic		*(for SMG*
list expected approval meeting # here ?		for information		non-strategic		*use only)*

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

Source:	SA1		**Date:**	10/4/00

Subject:	Emergency Call enhancements

Work item:	UMTS Service Principles

Category:

			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**

(only one category shall be marked with an X)

Reason for change:	To enhance emergency call service.

Clauses affected:	

Other specs affected:	Other 3G core specifications	**X**	?	List of CRs:	24.008, 31.102
	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:	

help.doc

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

8 Emergency Calls

PLMNs shall support an emergency call teleservice as defined in TS 22.003 [14] (TS12), which fulfils the following additional service requirements:

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. It ~~may also be possible~~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 ~~available~~ supported by the UE without a SIM/USIM being present. No other type ~~of~~ than Emergency calls shall be accepted without a SIM/USIM.

The Emergency call teleservice is required only if the UE supports telephony.

> Note: It will be left to the national authorities to decide whether the network should accept emergency calls without the SIM/USIM.

It shall be possible to initiate emergency calls to different emergency call centers, depending on the type of emergency. The following types of emergency calls shall be possible:
- Police
- Ambulance
- Fire Brigade
- Marine Guard
- Mountain Rescue
- Spare, at least [three~~eleven~~] different types

When a SIM/USIM is present, subscriber specific emergency call set-up MMI shall be provided. The Home Environment operator shall specify preferred emergency call MMI(s) (e.g. 911 for US citizens or 110, 118 and 119 for Japanese citizens)~~ for use in any (i.e. home or visited) PLMN.~~ This shall be stored in the SIM/USIM and the ME shall read this and use any entry of these digits to set up an emergency call. It shall be possible to store more than one instance of this field. ~~This is recommended to use in home PLMN.~~

> Note: Release '98 and earlier SIM cards have the capability to store additional emergency call set-up MMI. However in many cases this has not been used.

It shall be possible to tie ~~A~~any emergency call number, specified in the preferred emergency call MMI(s) above, ~~shall be possible to tie ~~to any single emergency call type or to any combination of emergency types. The association between emergency numbers and emergency call type shall be able to be programmed by the Home Environment operator into the SIM/USIM.

> Example:
> | 19 | Police (Albania) |
> | 100 | Police and Fire Brigade (Greek cities) |
> | 100 | Ambulance and Fire Brigade (Belgium) |
> | 112 | Police and Ambulance (Italy) |
> | 112 | General emergency call, all categories (Sweden) |
> | 115 | Fire Brigade (Italy) |
> | 144 | Ambulance (Austria) |

> Note: if the UE does not recognize the emergency call MMI(s), ~~e.g. when roaming and the dialled emergency number is only specified for the visited area/region,~~ a normal call set up takes place over the air and after the serving network has recognized the emergency number the call is routed as an emergency call.

When a SIM/USIM containing stored emergency numbers is present, only those numbers are identified as emergency numbers, i.e. default emergency numbers stored in the ME are ignored.

The following emergency numbers shall be stored in the ME: 000, 08, 112, 110, 911 and 999

Note: Emergency numbers stored in the ME should not overlap with existing service numbers used by any operator.

The user friendly MMI which specifies the type of emergency directly (e.g. menu) should be supported for use in any (i.e. home or visited) PLMN. This is recommended to avoid the mis-connection in roaming case. This shall be allowed to both with and without SIM/USIM being present.

It shall be possible for the serving network to obtain the number, which was used to initiate the emergency call. This will allow the network the option to route the call to different emergency call centres if appropriate. If the dialled digits are not recognised as an emergency service by the serving network, the call shall be routed to the default emergency service.

8.1 Emergency Calls when Attached to a Data Only Network

If an MS with voice capability attempts to make an emergency call while camping on a PLMN that does not support voice service to the MS, a new PLMN selection shall immediately take place, and the MS shall select the first available PLMN that supports emergency calls to the MS.