

3GPP TSG_CN#6
ETSI SMG3 Plenary Meeting #6,
Nice, France
13th – 15th December 1999

NP-99442

Agenda item: 5.1.3
Source: TSG_N WG1
Title: CRs on Work Item EDGE

Introduction:

This document contains “1” CR agreed by **TSG_N WG1** and forwarded to **TSG_N Plenary** meeting **#6** for approval.

Tdoc	Spec	CR	Rev	CAT	Rel.	Old Ver	New Ver	Subject
N1-99E84	24.008	051	2	B	R99	3.1.0	3.2.0	Emergency Call Handling in Packet Only

CHANGE REQUEST		<small>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</small>
24.008	CR	051 r2
<small>GSM (AA.BB) or 3G (AA.BBB) specification number ↑</small>		<small>↑ CR number as allocated by MCC support team</small>
For submission to: TSGN#6	for approval <input checked="" type="checkbox"/>	strategic <input type="checkbox"/>
<small>list expected approval meeting # here ↑</small>	for information <input type="checkbox"/>	non-strategic <input type="checkbox"/> <small>(for SMG use only)</small>
Current Version: 3.1.0		

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 ME UTRAN / Radio Core Network
(at least one should be marked with an X)

Source: Ericsson **Date:** Nov 30, 1999

Subject: Emergency Call handling in Packet only networks

Work item: EDGE Compact and support for EGPRS in ANSI-136 networks

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

Reason for change: Handling of emergency call request when camping in a network that does not support voice calls to a user.

Clauses affected: 4.5.1.5

Other specs affected:	Other 3G core specifications <input type="checkbox"/> Other GSM core specifications <input checked="" type="checkbox"/> MS test specifications <input type="checkbox"/> BSS test specifications <input type="checkbox"/> O&M specifications <input type="checkbox"/>	→ List of CRs: → List of CRs: 02.11, 03.22, 05.08, 04.18, 04.60, 11.11 → List of CRs: → List of CRs: → List of CRs:
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Other comments:



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

4.5.1.5 MM connection establishment for emergency calls

A MM connection for an emergency call may be established in all states of the mobility management sublayer which allow MM connection establishment for a normal originating call. In addition, establishment may be attempted in all service states where a cell is selected (see 4.2.2) but not in the MM CONNECTION ACTIVE state (GROUP TRANSMIT MODE) state. However, as a network dependent option, a MM connection establishment for emergency call may be rejected in some of the states.

Note: In GSM, if a mobile station is camping in a network where voice services are not available (CELL_BAR_QUALIFY_2 parameter indicates no voice service) and requests an emergency call service, the mobile station shall immediately go to "Any Cell Selection" state as defined in GSM 03.22, prior to establishing the emergency call.

When a user requests an emergency call establishment the mobile station will send a CM SERVICE REQUEST message to the network with a CM service type information element indicating emergency call establishment. If the network does not accept the emergency call request, e.g., because IMEI was used as identification and this capability is not supported by the network, the network will reject the request by returning a CM SERVICE REJECT message to the mobile station.

The reject cause information element indicates the reason for rejection. The following cause values may apply:

- #3 "Illegal MS"
- #4 "IMSI unknown in VLR"
- #5 "IMEI not accepted"
- #6 "Illegal ME"
- #17 "Network failure"
- #22 "Congestion"
- #32 "Service option not supported"
- #34 "Service option temporarily out of order"

With the above defined exceptions, the procedures described for MM connection establishment in 4.5.1.1 and 4.5.1.2 shall be followed.

NOTE: Normally, the mobile station will be identified by an IMSI or a TMSI. However, if none of these identifiers is available in the mobile station, then the mobile station shall use the IMEI for identification purposes. The network may in that case reject the request by returning a CM SERVICE REJECT message with reject cause:

- #5 "IMEI not accepted".