3GPP TSG_CN#6   **NP-99448**

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

Agenda item: **5.1.3**

Source: **TSG_N WG1**

     Title: **CRs on Work Item Multicall**

<u>**Introduction**</u>**:**

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
N1-99C86	24.008	044	1	B	R99	3.1.0	3.2.0	Cause 'user busy' in Call Confirmed

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	**044 r1**	Current Version:	3.1.0

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

Source:	Ericsson		**Date:**	26.10.99

Subject:	Cause 'user busy' in Call Confirmed Message

Work item:	Multicall

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

Reason for change:	In the R99 core network shall allow a ME to handle more than one bearer service simultaneously. For this case, a terminal can be considered 'busy' when it is using all the possible parallel bearers and it can not receive any calls using new bearers. This is equivalent to the case when the ME not supporting multicall is using one bearer.

Clauses affected:	6.1.2, 6.1.3.2, 9.5.6, 9.5.7, 11.2.3

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:	

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

9 Message functional definitions and contents

9.3 Messages for circuit-switched call control

9.3.2 Call confirmed

This message is sent by the called mobile station to confirm an incoming call request.
See table 9.56/TS 24.008.
Message type:CALL CONFIRMED

Significance: local

Direction: mobile station to network

Table 9.56/TS 24.008: CALL CONFIRMED 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
	Call confirmed message type	Message type 10.4	M	V	1
D-	Repeat Indicator	Repeat Indicator 10.5.4.22	C	TV	1
04	Bearer capability 1	Bearer capability 10.5.4.5	O	TLV	3-16
04	Bearer capability 2	Bearer capability 10.5.4.5	O	TLV	3-16
08	Cause	Cause 10.5.4.11	O	TLV	4-32
15	CC Capabilities	Call Control Capabilities 10.5.4.5a	O	TLV	3

9.3.2.1 Repeat indicator

The *repeat indicator* information element shall be included if *bearer capability 1* information element and *bearer capability 2* IE are both included in the message.

9.3.2.2 Bearer capability 1 and bearer capability 2

The *bearer capability 1* information element shall be included if and only if at least one of the following five cases holds:
- the mobile station wishes another bearer capability than that given by the *bearer capability 1* information element of the incoming SETUP message;

- the *bearer capability 1* information element is missing or not fully specified in the SETUP message;

- the *bearer capability 1* information element received in the SETUP message is accepted and the "radio channel requirement" of the mobile station is other than "full rate support only mobile station";

- the *bearer capability 1* information element received in the SETUP message indicates speech and is accepted and the mobile station supports other speech versions than GSM version 1;

- the *bearer capability 1* information element received in the SETUP message included the "fixed network user rate" parameter.

When the *bearer capability 1* information element is followed by the *bearer capability 2* IE in the SETUP, the above rules apply to both *bearer capability* 1 IE and bearer capability 2 IE. Except those cases identified in TS 27.001TS 27.001, if either *bearer capability* needs to be included, both shall be included.
Furthermore, both *bearer capability* information elements may be present if the mobile station wishes to reverse the order of occurrence of the *bearer capability* information elements (which is referred to in the *repeat indicator* information element, see section 10.5.4.22) in cases identified in TS 27.001TS 27.001.

9.3.2.3 Cause

This information element is included if the mobile station is compatible but the user is busy. Mobile station supporting multicall shall include this element when it can not receive a new terminating call on a new parallel bearer.

9.3.2.4 CC Capabilities

This information element may be included by the mobile station to indicate its call control capabilities.