

**3GPP TSG\_CN  
Plenary Meeting #9, Oahu, Hawaii  
20<sup>th</sup> – 22<sup>nd</sup> September 2000.**

**Tdoc NP-000559  
(Revised NP-000495)**

**Source:** TSG\_N WG 4  
**Title:** CRs to R99 Work Item Multicall  
**Agenda item:**  
**Document for:** APPROVAL

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**Introduction:**

This document contains 2 CRs on R99 Work Item Multicall, that have been agreed by TSG\_N WG4, and is forwarded to TSG\_N Plenary meeting #9 for approval.

SMG#	TDoc	SPEC	CR	REV	PHASE	VERS	SUBJECT	CAT
CN9	N4-000737	23.135	002	4	R99	3.0.0	Requirement on Network to Tear Down Calls to Accept Emergency Calls in Multicall	F
CN9	N4-000756	23.135	004	1	R99	3.0.0	Correction to MT_Multicall SDL	F

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.

**23.135 CR 002r4**

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: **TSG-CN#09**

list expected approval meeting # here ↑

for approval   
 for information

strategic   
 non-strategic  (for SMG 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  UTRAN / Radio  Core Network   
 (at least one should be marked with an X)

**Source:** N4 **Date:** 2000-08-31

**Subject:** Requirement on Network to Tear Down Calls to Accept EC in Multicall

**Work item:** Multicall

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

**Reason for change:**

S1 has agreed to remove the following requirement from the stage 1 for Multicall:

- The UMTS network, which supports Multicall, shall accept the emergency call after tearing down existing call(s) if necessary.

The stage 2 for Multicall needs to be updated accordingly to align it with the approved CR in TSG SA WG1.

**Clauses affected:** 5.2.1, 6.1

**Other specs affected:** Other 3G core specifications  → List of CRs: CR 22.135-xxx  
 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:

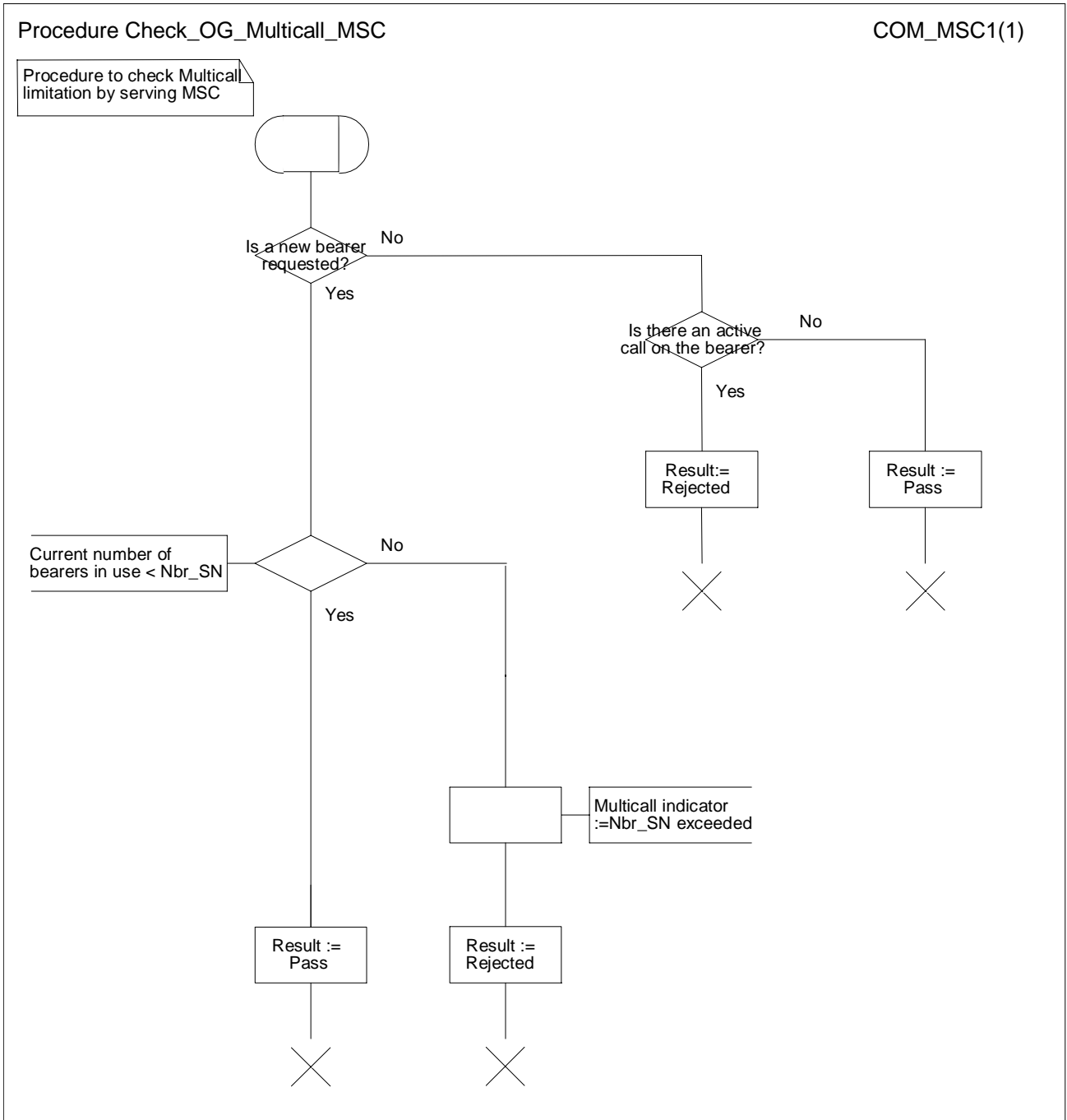
CR was presented and approved in TSG SA WG1.

## 5.2 MO call

### 5.2.1 Functional requirements of serving MSC

Figure 8: Procedure Check\_OG\_Multicall\_MSC.

This procedure is called when the MSC receives a Setup message from the MS. After handover procedure completion to another MSC,  $N_{br\_SN}$  as defined for the target MSC shall overwrite the previous  $N_{br\_SN}$ .



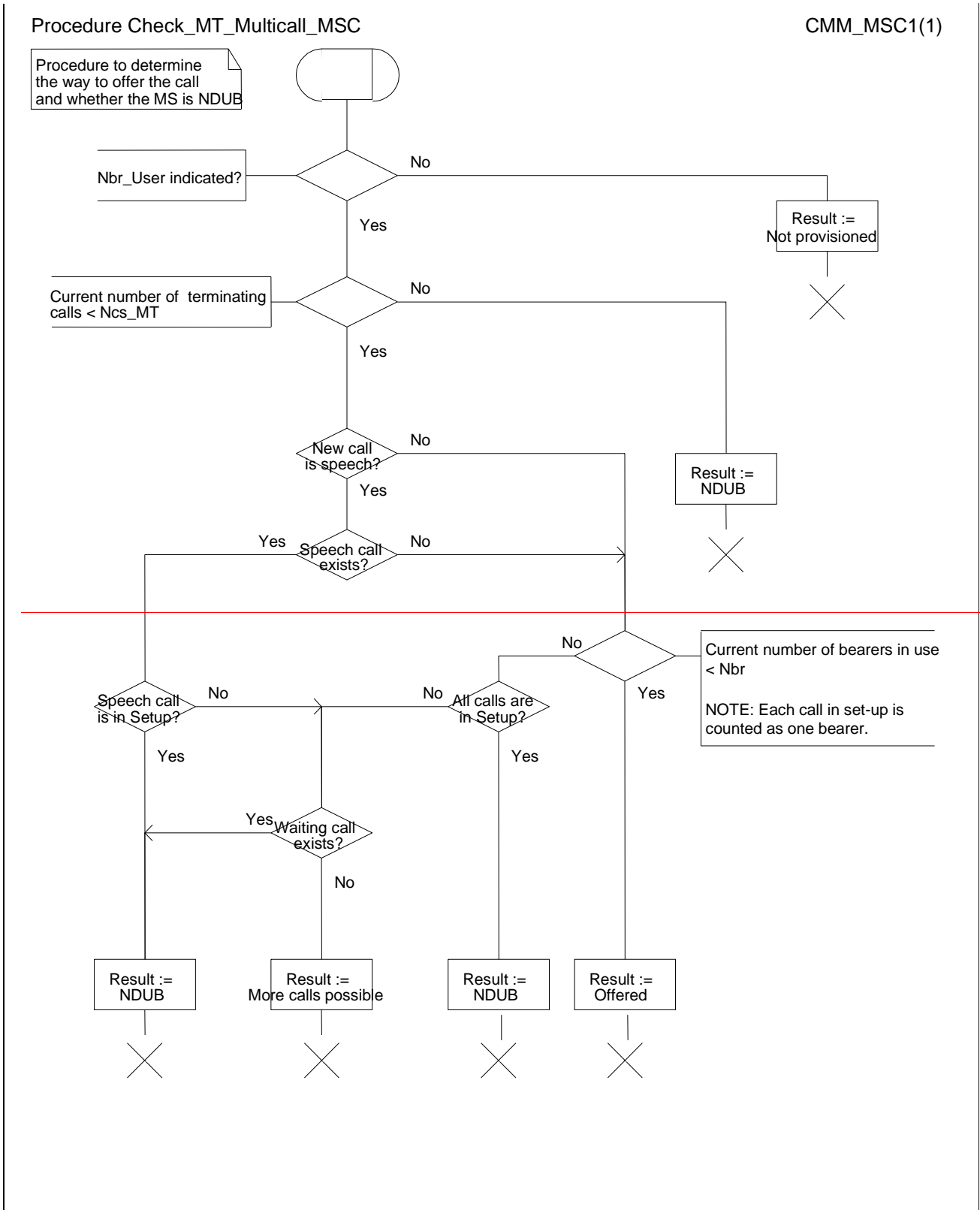


Figure 8: Procedure Check\_OG\_Multicall\_MSC

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## 6 Interaction with telecommunication services

### 6.1 Speech

The Multicall supplementary service does not provide multiple traffic channels for speech calls. Refer to Procedure Check\_OG\_Multicall\_MSC and Procedure Check\_MT\_Multicall\_MSC.

If  $N_{br\_UE}$  is greater than  $N_{br\_SN}$ , the mobile station may initiate an Emergency call even if  $N_{br\_SN}$  has been reached. When the network receives an Emergency call setup message from the mobile station:

- if  $N_{br\_SN}$  has not been reached, the network shall accept it regardless of  $N_{br\_SB}$  or  $N_{br\_User}$ ;
- if  $N_{br\_SN}$  has been reached, the network shall ~~reject the emergency call setup attempt~~ ~~accept the emergency call after tearing down all other active calls.~~ The MS shall release one or more existing calls and it shall re-initiate an Emergency call.

The MS shall ensure that an emergency call setup request is acceptable to a serving network which does not support multicall, if necessary by releasing one or more existing calls.

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.

**23.135 CR 004r1**

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: **TSG-CN#09**  
list expected approval meeting # here  
 ↑

for approval   
 for information

strategic   
 non-strategic  (for SMG 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:**

(at least one should be marked with an X)

(U)SIM     ME     UTRAN / Radio     Core Network

**Source:**

**CN**

**Date:**

**2000-08-31**

**Subject:**

**Correction to MT\_Multicall SDL**

**Work item:**

**Multicall**

**Category:**

(only one category shall be marked with an X)

F Correction   
 A Corresponds to a correction in an earlier release   
 B Addition of feature   
 C Functional modification of feature   
 D Editorial modification

**Release:**

Phase 2   
 Release 96   
 Release 97   
 Release 98   
 Release 99   
 Release 00

**Reason for change:**

Figure 10 needs to be replaced in order to reflect CR 001 correctly.

**Clauses affected:**

**5.3.1**

**Other specs affected:**

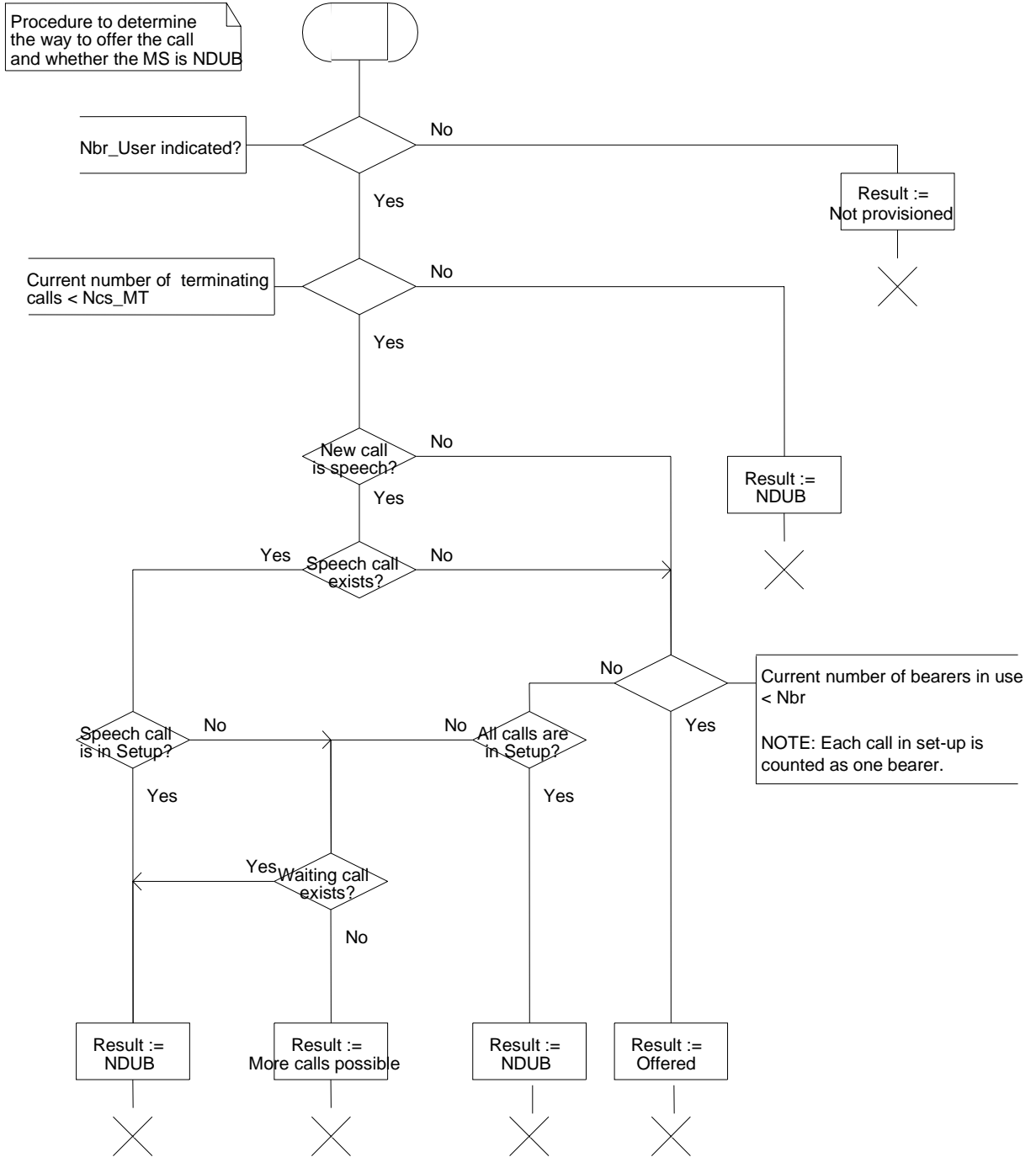
Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
Other GSM core specifications	<input type="checkbox"/>	→ List of CRs:	
MS test specifications	<input type="checkbox"/>	→ List of CRs:	
BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
O&M specifications	<input type="checkbox"/>	→ List of CRs:	

## 5.3 MT call

### 5.3.1 Functional requirements of serving MSC

Procedure Check\_MT\_Multicall\_MSC

CMM\_MSC1(1)





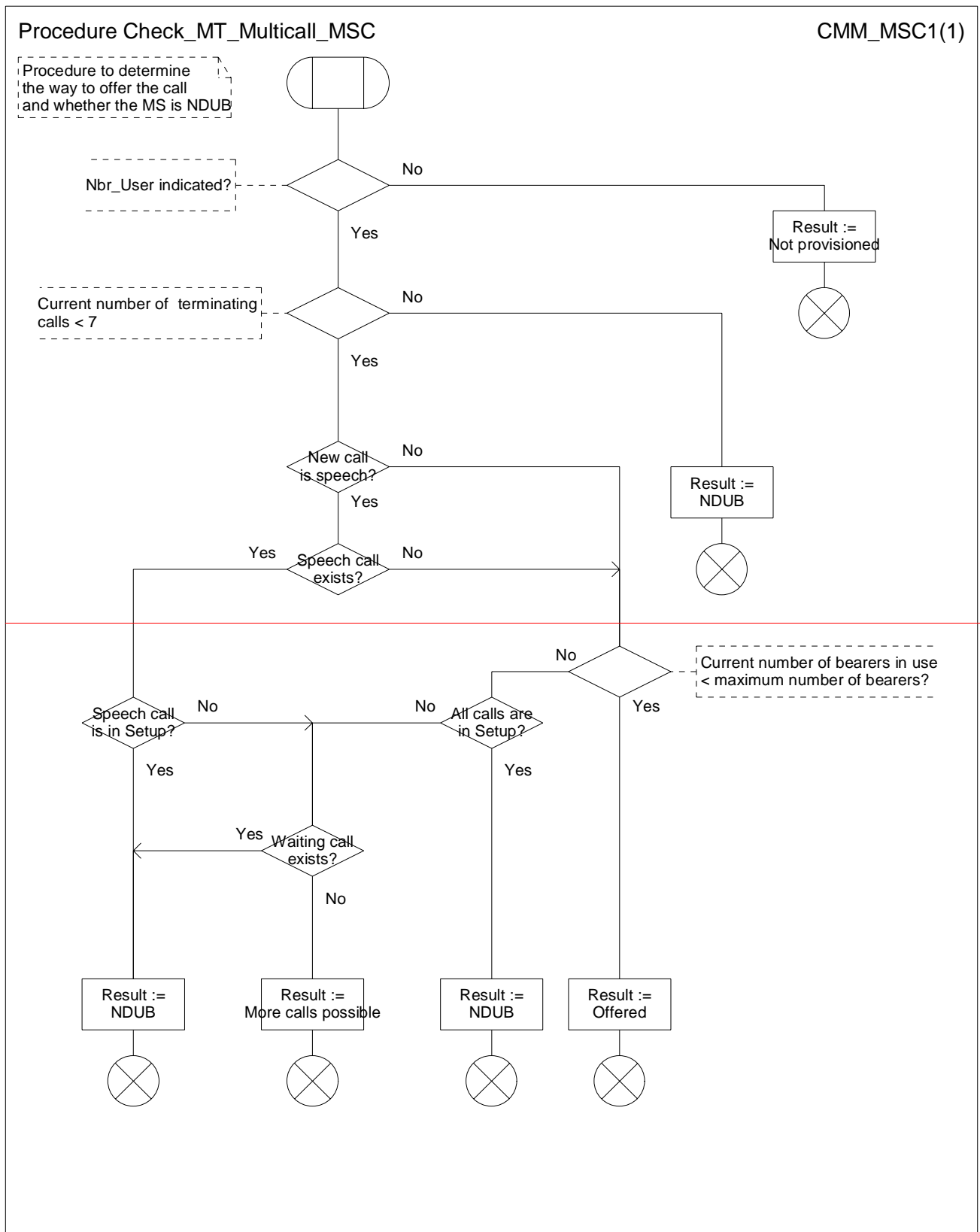


Figure 10: Procedure Check\_MT\_Multicall\_MSC