ETSI SMG3 Plenary Meeting #7, Madrid, Spain

13th - 15th March 2000

Agenda item:

Source: TSG_N WG2

Title: CRs to 3G Work Item CAMEL Phase 2

Introduction:

This document contains "4" CRs on Work Item CAMEL Phase 2, that have been agreed by TSG_N WGx, and are forwarded to TSG_N Plenary meeting #7 for approval.

TDoc	SPEC	CR	REV	CAT	Rel	Old vers	New vers	SUBJECT
N2B000164	03.18	A057		F	R97	6.5.0		Correction of CF notification
N2B000165	03.18	A058		А	R98	7.2.0		Correction of CF notification
N2B000167	03.79	A024		F	R97	6.2.0		Correction of CF notification
N2B000168	03.79	A025		А	R98	7.2.0		Correction of CF notification

Document N2B000164

		CHANGE F	REQI	JEST			file at the bottom of this to fill in this form corre	
		03.18	CR	A057	C	Current Versi	on: 6.5.0	
GSM (AA.BB) or 30	G (AA.BBB) specifica	ation number↑		↑ CR i	number as a	allocated by MCC	support team	
For submission	meeting # here↑	for infor		X		strate non-strate	egic X use onl	y)
Proposed change (at least one should be a	ge affects:	rsion 2 for 3GPP and SMG (U)SIM	The latest		m is available		org/Information/CR-Form-v	
Source:	N2					Date:	7 Feb 2000	
Subject:	Correction of	of CF Notification						
Work item:	CAMEL Pha	ase 2						
(only one category	Correspond Addition of Functional	modification of fea		rlier release	X X	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
Reason for change:	See next pa	ige for detail.						
Clauses affecte	<u>d:</u>							
Other specs affected:		cifications	X -	ightarrow List of C $ ightarrow$ List of C	CRs: 03 CRs: CRs:	3.78-A151, 0	3.79-A024	
Other comments:	shall be esse	Siemens sees the ntial for all the ma	nufactu	res and the	operato	ors. Therefor	re, this CR shou	

Reason for change:

Problem - Endless loop in Obtain_Routing Address (GSM TS 03.18):

The first SRI and SRI ack are done in Obtain_Routing Address. Then CAMEL_MT_GMSC_INIT (GSM TS 03.78) is called.

- 1. If the terminating service logic sends CONTINUE in CAMEL_MT_GMSC_INIT, the second SRI is sent and SRI ack contains FTN and O-CSI if the subscriber is not reachable. This procedure provides the output as "FTN".
- Returning to procedure Obtain_Routing_Address, it calls the Procedure CAMEL_MT_GMSC_Notify_CF (GSM TS 03.78)
- 3. In CAMEL_MT_GMSC_Notify_CF, the terminating service logic is informed about CFNRc by EVENT REPORT BCSM.
- 4. The gsmSCF may answer with CONNECT.
- 5. The procedure CAMEL_MT_GMSC_Notify_CF delivers output "Reconnect".
- 6. Returening to Obtain_Routing Address, it calls the procedure CAMEL MT GMSC INIT again.
- 7. The procedure CAMEL_MT_GMSC_INIT delivers again output 'FTN".
- 8. The procedure Obtain_Routing_Address calls again procedure CAMEL MT GMSC Notify CF.

The CFNRc data are still stored therefore it starts from the beginning

Proposed Correction:

The proposal is to call procedure CAMEL_MT_GMSC_Notify_CF (in GSM TS 03.78) only for GSM-CF, i.e. gsmSCF shall not be notified about new Called Party Number being received from it in CONNECT.

Therefore a new outputs 'CAMEL_FTN' and 'GSM_FTN' are defined in Procedure CAMEL_MT_GMSC_INIT (in GSM TS 03.78). This is to be checked in procedure Obtain_Routeing_Address (in GSM TS 03.18). If result = 'CAMEL_FTN' procedure CAMEL_MT_GMSC_Notify_CF (in GSM TS 03.78) shall not be called. CF process shall be started instead.

Correction on GSM TS 03.78

Further, a new check on Called Party Number is proposed in CAMEL_MT_GMSC_Notify_CF procedure. If the same number is delivered in CONNECT then CF process shall be started immediately, i.e. there shall be no Reconnect attempt.

Correction on GSM TS 03.79

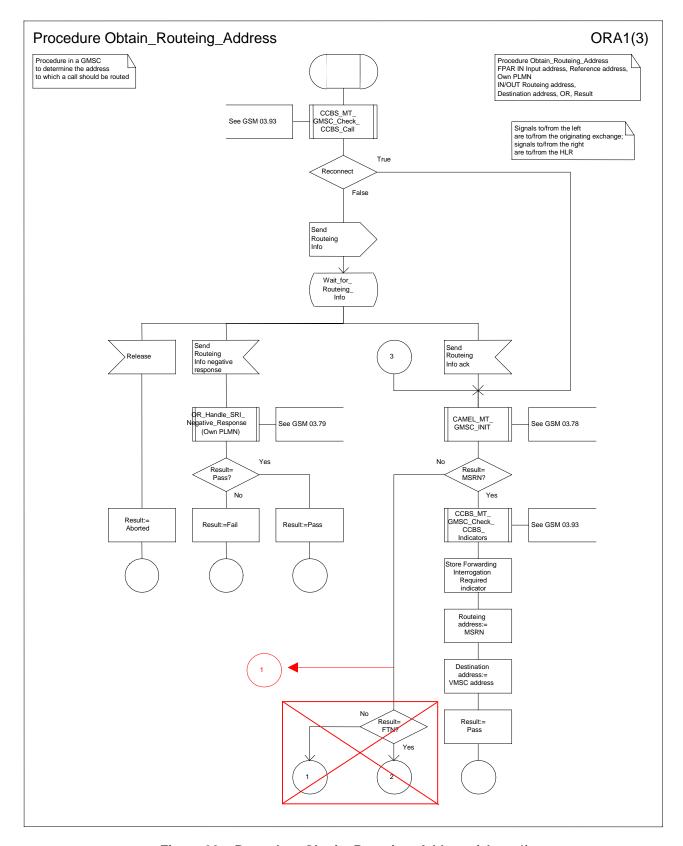
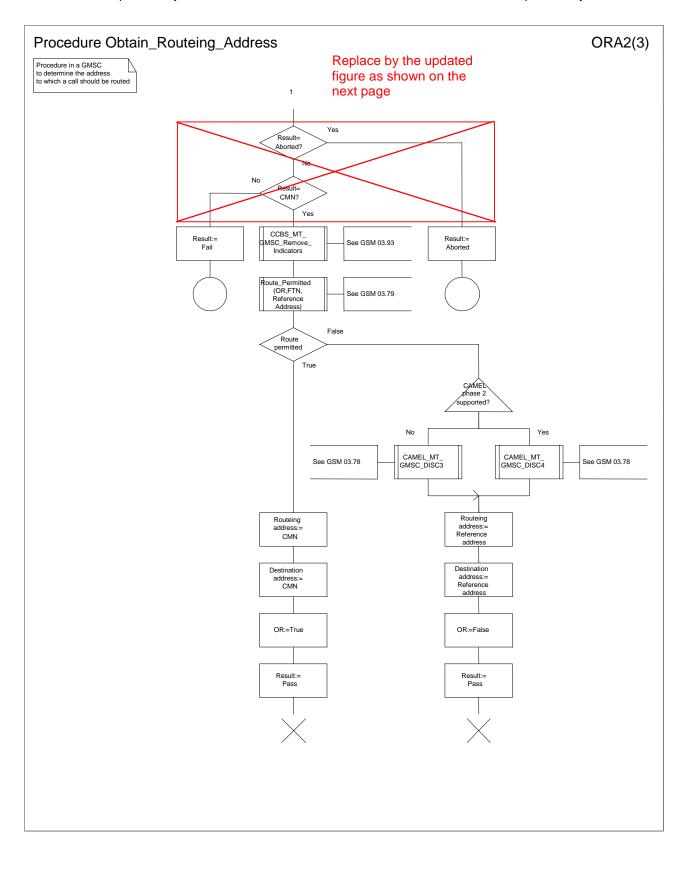


Figure 36a: Procedure Obtain_Routeing_Address (sheet 1)



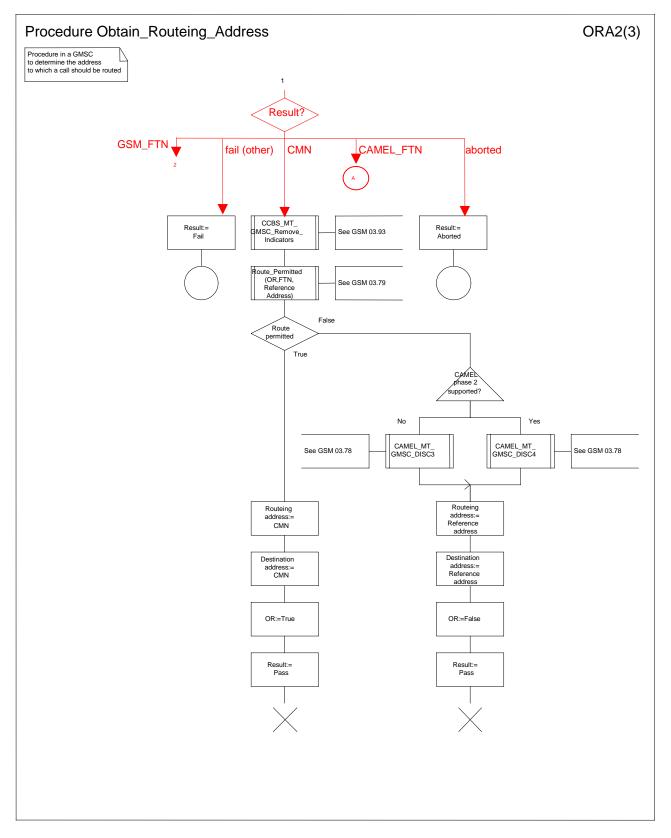


Figure 36b: Procedure Obtain_Routeing_Address (sheet 2)

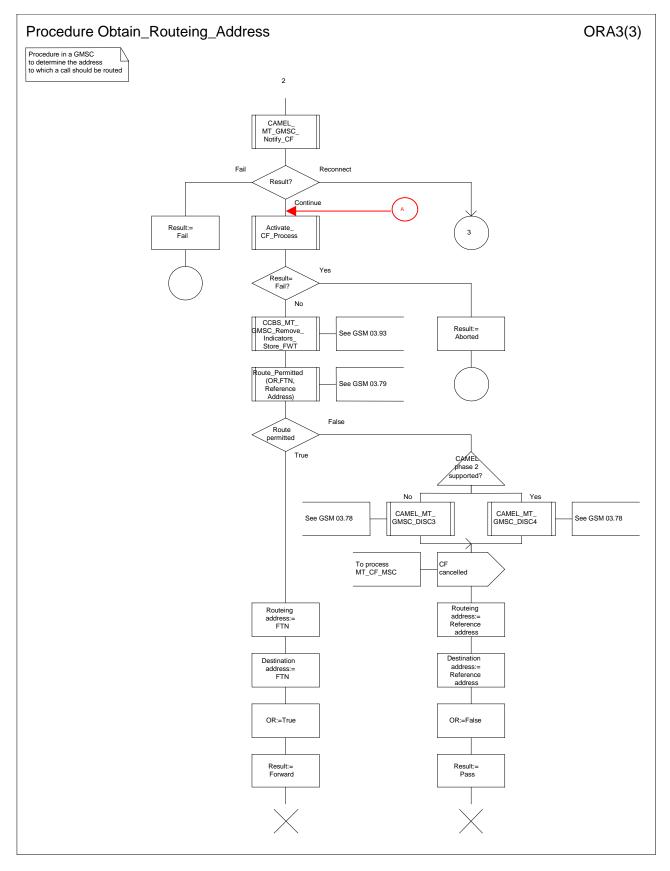


Figure 36c: Procedure Obtain_Routeing_Address (sheet 3)

Document N2B000165

	CHAN	GE REQU	EST Please page for	e see embedded help fil or instructions on how t	le at the bottom of this to fill in this form correctly.		
	03	3.18 CR	A058	Current Version	on: 7.2.0		
GSM (AA.BB) or 3G (AA.BBB) specification number ↑ ↑ CR number as allocated by MCC support team							
For submission list expected approval m	neeting # here ↑ fo	for approval or information	X	strateç non-strateç	gic X 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 Proposed change affects: (at least one should be marked with an X) The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form UTRAN / Radio Core Network							
Source:	N2			Date:	7 Feb 2000		
Subject:	Correction of CF Notific	cation					
Work item:	CAMEL Phase 2						
Category: F A (only one category shall be marked with an X) C	Corresponds to a corresponds to a corresponds to a corresponds to a correspond		er release	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00		
Reason for change:	See next page for deta	iil.					
Clauses affected:							
affected:	Other 3G core specificat Other GSM core specific MS test specifications BSS test specifications O&M specifications	cations $\begin{array}{c} \mathbf{X} \\ \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$	List of CRs: List of CRs: List of CRs: List of CRs: List of CRs:	03.78-A152, 03	3.79-A025		
comments:	Assessment: Siemens s shall be essential for all fall into the category 1 (0	the manufacture	s and the oper	ators. Therefore	e, this CR should		

2

Reason for change:

Problem - Endless loop in Obtain_Routing Address (GSM TS 03.18):

The first SRI and SRI ack are done in Obtain_Routing Address. Then CAMEL_MT_GMSC_INIT (GSM TS 03.78) is called.

- 1. If the terminating service logic sends CONTINUE in CAMEL_MT_GMSC_INIT, the second SRI is sent and SRI ack contains FTN and O-CSI if the subscriber is not reachable. This procedure provides the output as "FTN".
- Returning to procedure Obtain_Routing_Address, it calls the Procedure CAMEL MT GMSC Notify CF (GSM TS 03.78)
- 3. In CAMEL_MT_GMSC_Notify_CF, the terminating service logic is informed about CFNRc by EVENT REPORT BCSM.
- 4. The gsmSCF may answer with CONNECT.
- 5. The procedure CAMEL_MT_GMSC_Notify_CF delivers output "Reconnect".
- 6. Returening to Obtain_Routing Address, it calls the procedure CAMEL_MT_GMSC_INIT again.
- 7. The procedure CAMEL MT GMSC INIT delivers again output 'FTN".
- 8. The procedure Obtain_Routing_Address calls again procedure CAMEL_MT_GMSC_Notify_CF.

The CFNRc data are still stored therefore it starts from the beginning

Proposed Correction:

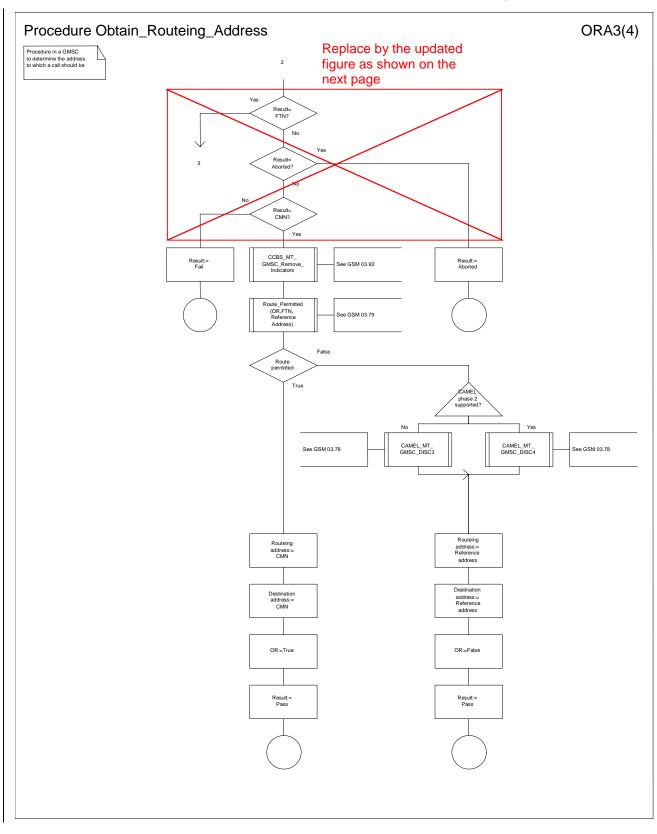
The proposal is to call procedure CAMEL_MT_GMSC_Notify_CF (in GSM TS 03.78) only for GSM-CF, i.e. gsmSCF shall not be notified about new Called Party Number being received from it in CONNECT.

Therefore a new outputs 'CAMEL_FTN' and 'GSM_FTN' are defined in Procedure CAMEL_MT_GMSC_INIT (in GSM TS 03.78). This is to be checked in procedure Obtain_Routeing_Address (in GSM TS 03.18). If result = 'CAMEL_FTN' procedure CAMEL_MT_GMSC_Notify_CF (in GSM TS 03.78) shall not be called. CF process shall be started instead.

Correction on GSM TS 03.78

Further, a new check on Called Party Number is proposed in CAMEL_MT_GMSC_Notify_CF procedure. If the same number is delivered in CONNECT then CF process shall be started immediately, i.e. there shall be no Reconnect attempt.

Correction on GSM TS 03.79



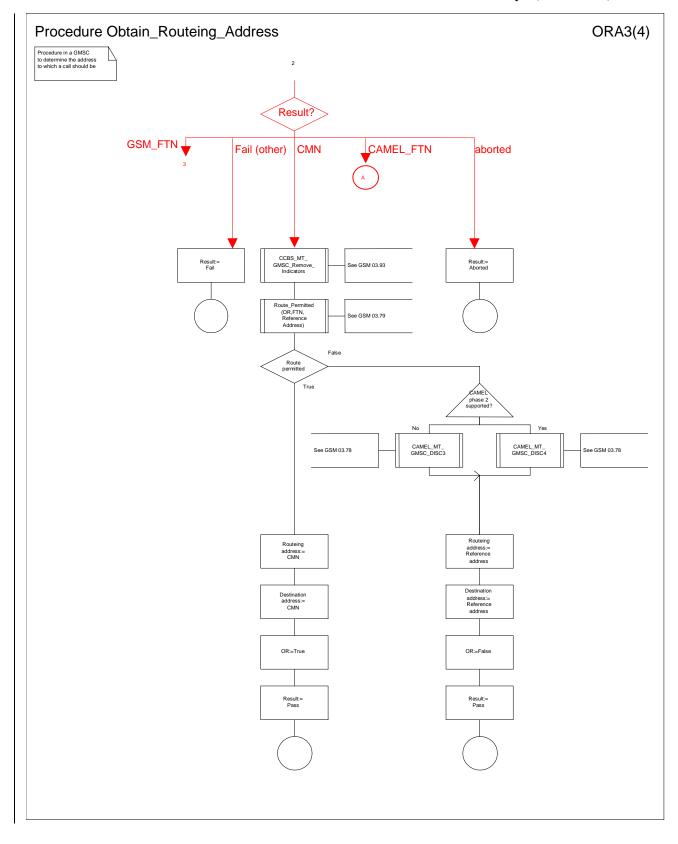


Figure 36c: Procedure Obtain_Routeing_Address (sheet 3)

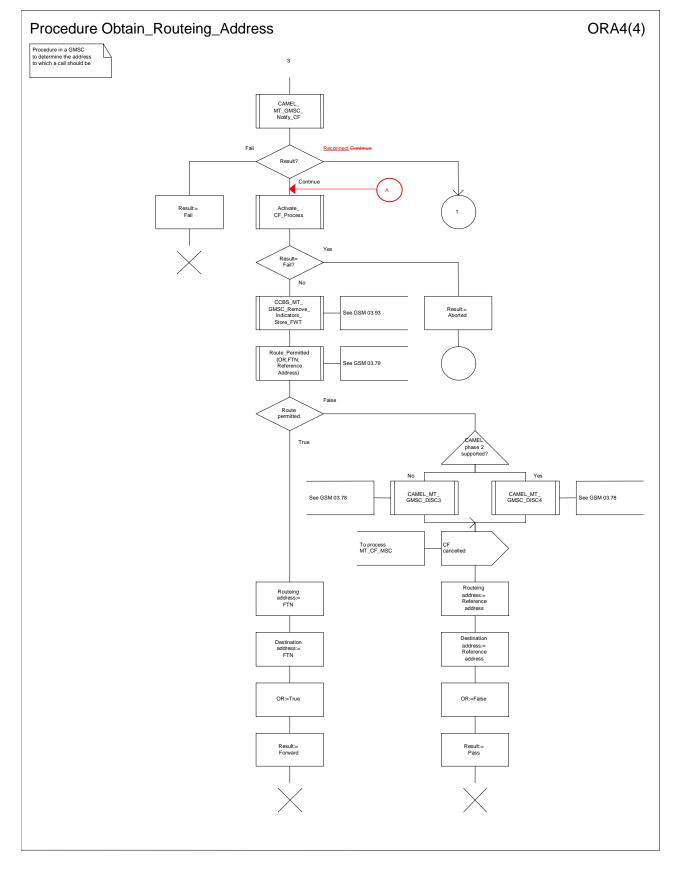


Figure 36d: Procedure Obtain_Routeing_Address (sheet 4)

Document N2B000167

			CHANGE I	REQ	UEST				e at the bottom of the	
			03.79	CR	A024		Current	Versio	on: 6.2.0	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑ ↑ CR number as allocated by MCC support team										
For submission list expected approval	mee	eting # here ↑	for infor		X		non-	strateg strateg	gic X use of	nly)
Proposed char (at least one should be	nge	affects:	(U)SIM	The lates		m is availab	-		g/Information/CR-Form	
Source:		N2					<u> </u>	Date:	7 Feb 2000	
Subject:		Correction of	of CF Notification							
Work item:		CAMEL Pha	ase 2							
(only one category shall be marked	В	Addition of	modification of fea		rlier releas	X X	Relea	ase:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
Reason for change:		See next pa	age for detail.							
Clauses affected:										
Other specs affected:	O M B		cifications	X .	ightarrow List of C $ ightarrow$ List of C $ ightarrow$ List of C $ ightarrow$ List of C	CRs: CRs: CRs: CRs:)3.18-A0	57, 03	.78-A151	
Other comments:	sl	hall be esse	Siemens sees the natial for all the mategory 1 (C1) as	ınufactu	res and the	operat	tors. The	erefore	e, this CR sho	

2

Reason for change:

Problem - Endless loop in Obtain_Routing Address (GSM TS 03.18):

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Correction on GSM TS 03.79

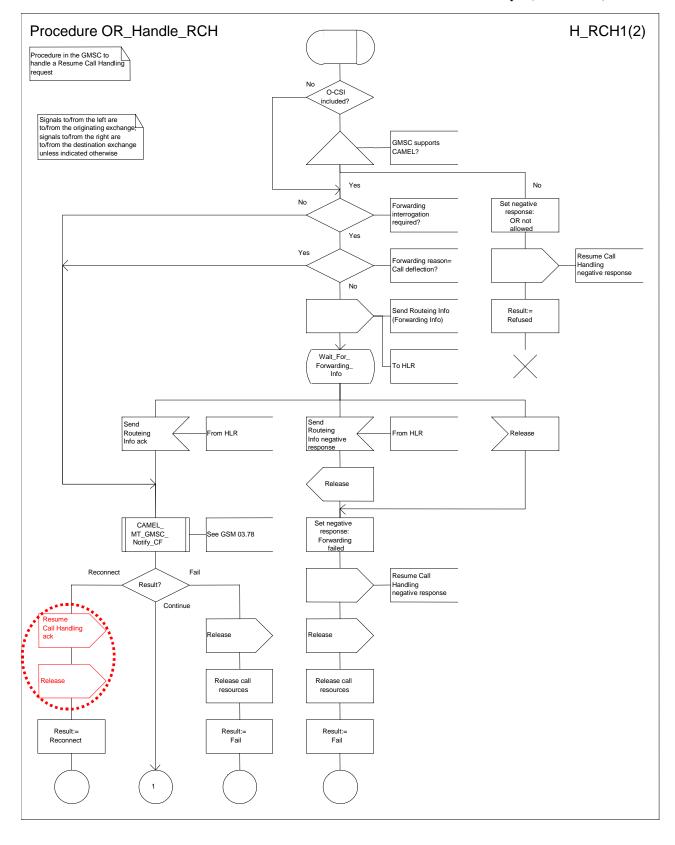


Figure 7a: Procedure OR_Handle_RCH (sheet 1)

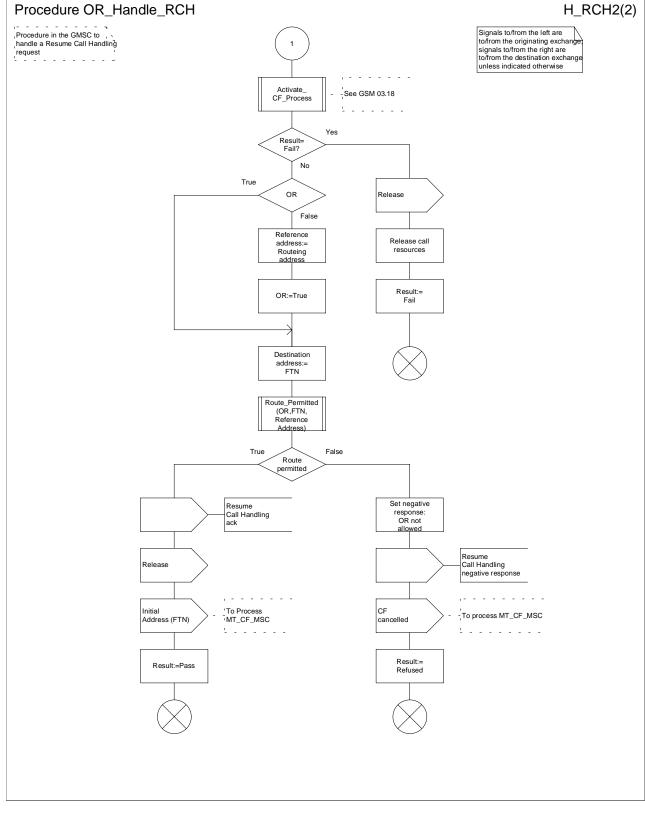


Figure 7b: Procedure OR_Handle_RCH (sheet 2)

Document N2B000168

	CHANGE REQUEST Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.						
	03.79 CR A025 Current Version: 7.2.0						
GSM (AA.BB) or 3G (AA.BBB) specification number ↑ ↑ CR number as allocated by MCC support team							
For submission list expected approval m	eeting # here ↑ for information non-strategic X 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/Informatio Proposed change affects: (at least one should be marked with an X) The latest version of this form is available from: ftp://ftp.3gpp.org/Informatio							
Source:	N2 <u>Date:</u> 7 Feb 2000						
Subject:	Correction of CF Notification						
Work item:	CAMEL Phase 2						
Category: F A (only one category shall be marked with an X) C	Corresponds to a correction in an earlier release Addition of feature Release 96 Release 97 Functional modification of feature Release 98						
Reason for change:	See next page for detail.						
Clauses affected:							
affected:							
comments:	Assessment: Siemens sees the problem identified in this CR serious and the correction shall be essential for all the manufactures and the operators. Therefore, this CR should fall into the category 1 (C1) as classified at the CN#5 meeting, Kyongju.						

2

Reason for change:

Problem - Endless loop in Obtain_Routing Address (GSM TS 03.18):

The first SRI and SRI ack are done in Obtain_Routing Address. Then CAMEL_MT_GMSC_INIT (GSM TS 03.78) is called.

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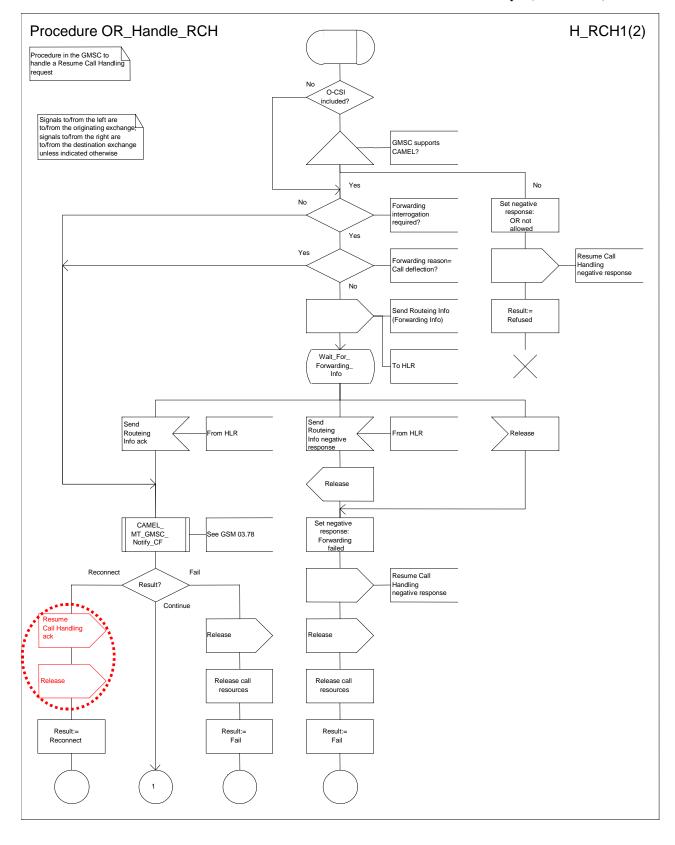


Figure 7a: Procedure OR_Handle_RCH (sheet 1)



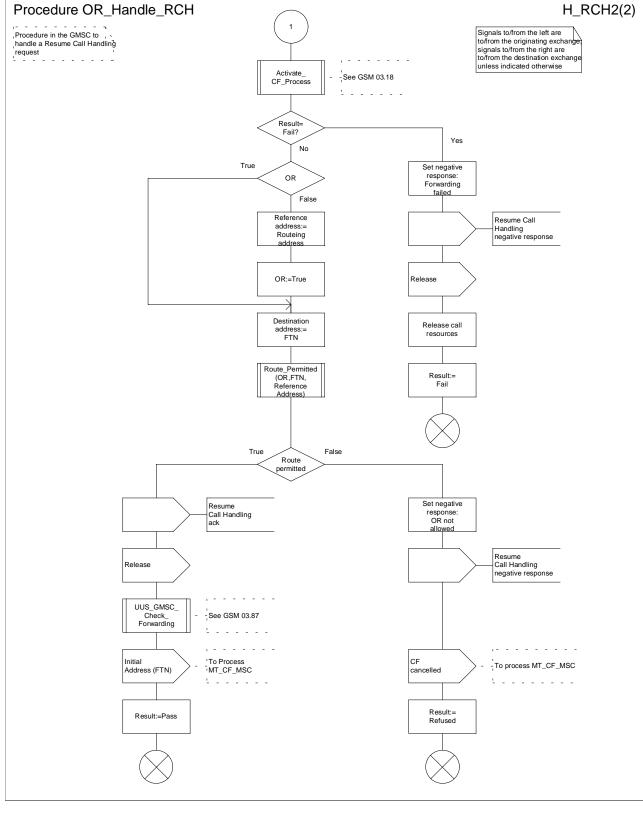


Figure 7b: Procedure OR_Handle_RCH (sheet 2)