

**Source:** TSG CN WG 2  
**Title:** CRs to R97 Work Item CAMEL2  
**Agenda item:** 7.2  
**Document for:** APPROVAL

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**Introduction:**

This document contains 2 CRs, one on each **R97 and R98** Work Item "**CAMEL2**", that have been agreed by **TSG CN WG2**, and are forwarded to TSG CN Plenary meeting #10 for approval.

SPEC	CR	REV	TDoc	PHAS	SUBJECT	CAT	OLD VER
03.78	A159	5	N2-000683	R97	Correction on CF notification	F	6.7.0
03.78	A160	5	N2-000684	R98	Correction on CF notification	A	7.4.0

**3GPP TSG CN2 Meeting #15**  
**Paris, France, 13-17 November 2000**

**Document N2-000683**

e.g. for 3GPP use the format TP-99xxx  
 or for SMG, use the format P-99-xxx

<b>CHANGE REQUEST</b>				Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.	
<b>03.78</b>		<b>CR</b>		<b>A159R5</b>	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑		↑ CR number as allocated by MCC support team		Current Version: <b>6.7.0</b>	
For submission to: <b>TSG CN#10</b> <small>list expected approval meeting # here</small>		for approval for information		strategic <input type="checkbox"/> non-strategic <input type="checkbox"/> <small>(for SMG use only)</small>	
		<input checked="" type="checkbox"/>			
		<input type="checkbox"/>			

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:** Siemens **Date:** 16/11/2000

**Subject:** Correction on CF notification

**Work item:** CAMEL Phase 2

<b>Category:</b>	F Correction <input checked="" type="checkbox"/>	<b>Release:</b>	Phase 2 <input type="checkbox"/>
	A Corresponds to a correction in an earlier release <input type="checkbox"/>		Release 96 <input type="checkbox"/>
	B Addition of feature <input type="checkbox"/>		Release 97 <input checked="" type="checkbox"/>
	C Functional modification of feature <input type="checkbox"/>		Release 98 <input type="checkbox"/>
	D Editorial modification <input type="checkbox"/>		Release 99 <input type="checkbox"/>
			Release 00 <input type="checkbox"/>

(only one category shall be marked with an X)

**Reason for change:** Procedure CAMEL\_MT\_GMSC\_Notify\_CF was originally intended to inform the terminating service logic in the gsmSCF before activating call forwarding process (see CR 03.18-A056, N2A99C10). The CF-notification should occur only if the CF is detected after the terminating trigger. This means that the following CF cases lead to CF notification:

- CFNRc received as result of the second SRI, or
- CFNRc or CFNRy or CFB encountered in the VMSC and reported to the GMSC (only if the OR on late CF applies).

However in the existing procedures it is possible to send the notification without having the second SRI.

To avoid/solve the problem, the following treatment are proposed.

- CAMEL Phase 2 (R97/98): Health warning that GMSC may behaves in a different manner from what is stated in the SDL.  
 At the same time, the output result in CAMEL\_MT\_GMSC\_INIT (7) shall be corrected to "GSM\_FTN".
- CAMEL Phase 3 (R99): if the gsmSSF is not invoked, the procedure shall exit with the result "Continue". However this branch is only applicable if "FTN as not a result of the 1st SRI or if TDP 12 has not been triggered".

**Clauses affected:** 8

<b>Other specs affected:</b>	Other 3G core specifications <input type="checkbox"/>	→ List of CRs:	03.78-190r4 (R98)
	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:	

**Other  
comments:**



N2-99C10.doc

This CR was agreed by consensus among members in CN2#15.

**\*\*\* First modified part \*\*\*****8.3.1.10 Action of the GMSC in procedure CAMEL\_MT\_GMSC\_Notify\_CF**

The Forwarding reason is taken from the Send Routeing Info ack (for early call forwarding) or the Resume Call Handling (for Optimal Routeing of Late Call Forwarding).

The Int\_DP\_T\_No\_Answer and Int\_DP\_T\_Busy messages include a parameter to indicate that the call has encountered conditional call forwarding. The gsmSSF will transfer this parameter to the CAP\_Event\_Report\_BCSM message which it sends to the gsmSCF.

Note: The GMSC may receive a CF Conditional in the first Send Routeing Information ack. This CF may lead to a notification to the gsmSCF, depending on the presence of T-CSI in this first Send Routeing Information ack and on the dynamic arming of the T-Busy EDP by the gsmSCF. Some GMSCs may not send the notification to the gsmSCF in above described scenario. In this case, the procedure continues the call processing. As the rationale of the Notification of Call Forwarding principle is to inform the gsmSCF of notification after the second Send Routeing Information ack, the behaviour of these GMSC is not erroneous.

**\*\*\* Next modified part \*\*\***

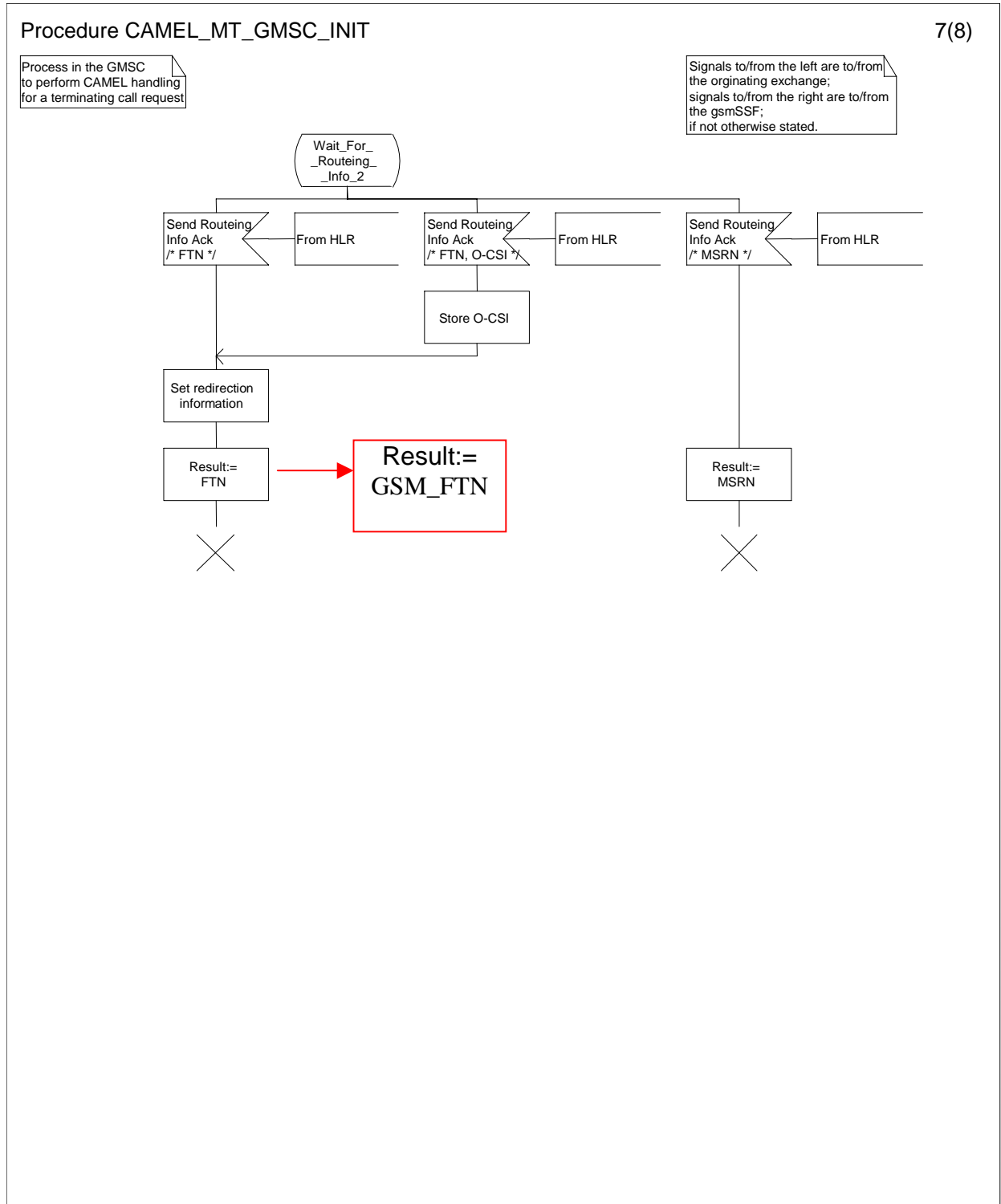


Figure 24g: Procedure CAMEL\_MT\_GMSC\_INIT (sheet 7)

\*\*\* Next modified part \*\*\*

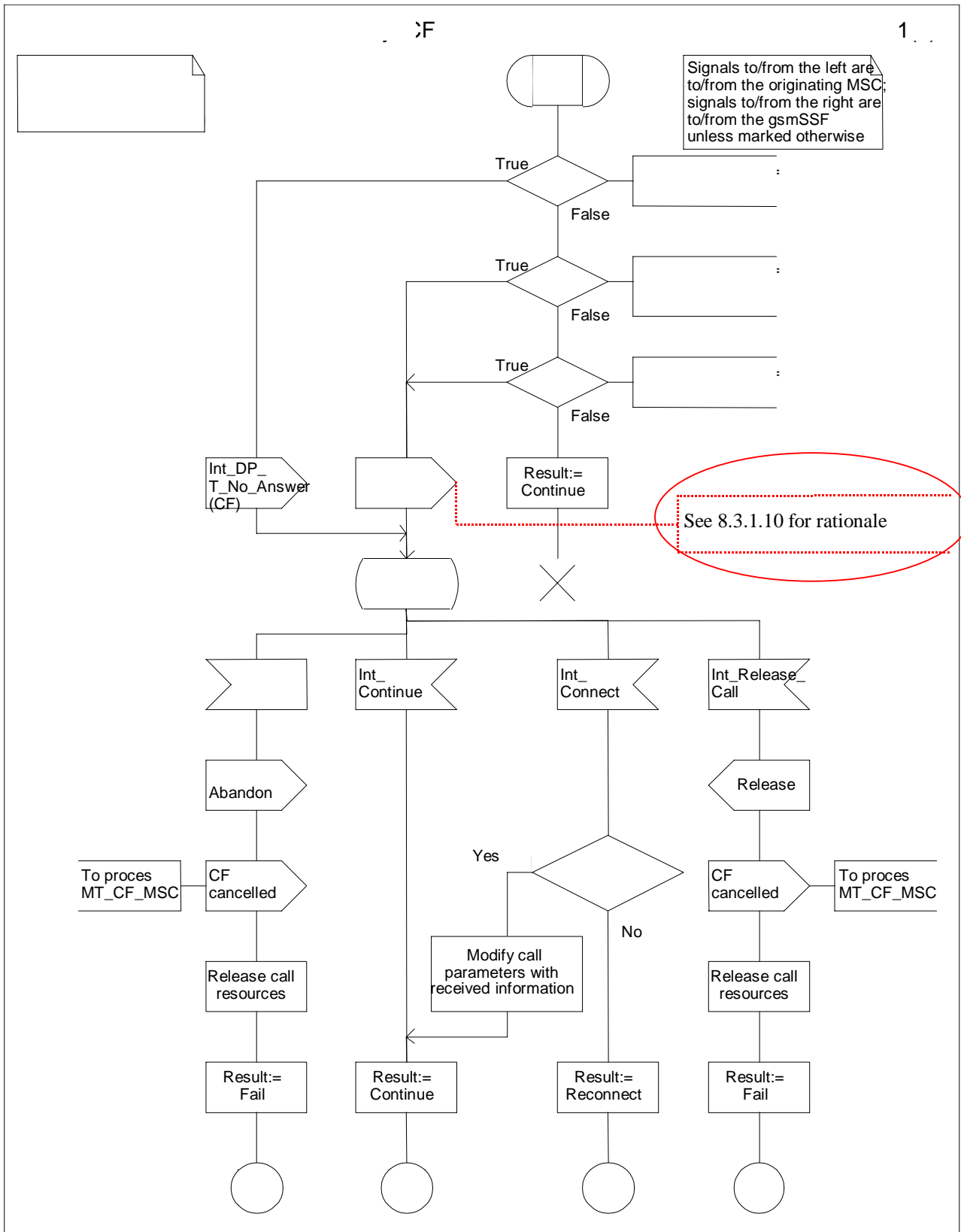


Figure 33a: Procedure CAMEL\_MT\_GMSC\_Notify\_CF (sheet 1)

CR editor's note: Additional texts are indicated in the red circle as the comments. Above figure once opened by MS Word, a number of texts disappears.

## CHANGE REQUEST

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

**03.78 CR A160R5** Current Version: **7.4.0**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: **TSG CN#10**  
*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

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**Source:** Siemens **Date:** 16/11/2000

**Subject:** Correction on CF notification

**Work item:** CAMEL Phase 2

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A Corresponds to a correction in an earlier release   
B Addition of feature   
C Functional modification of feature   
D Editorial modification   
*(only one category shall be marked with an X)*

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

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**Clauses affected:** 8

**Other specs affected:**

Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	03.78-159r4 (R97)
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:	

**Other  
comments:**



N2-99C10.doc

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**\*\*\* First modified part \*\*\***

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**\*\*\* Next modified part \*\*\***

Procedure CAMEL\_MT\_GMSC\_INIT

7(8)

Process in the GMSC to perform CAMEL handling for a terminating call request

Signals to/from the left are to/from the originating exchange; signals to/from the right are to/from the gsmSSF; if not otherwise stated.

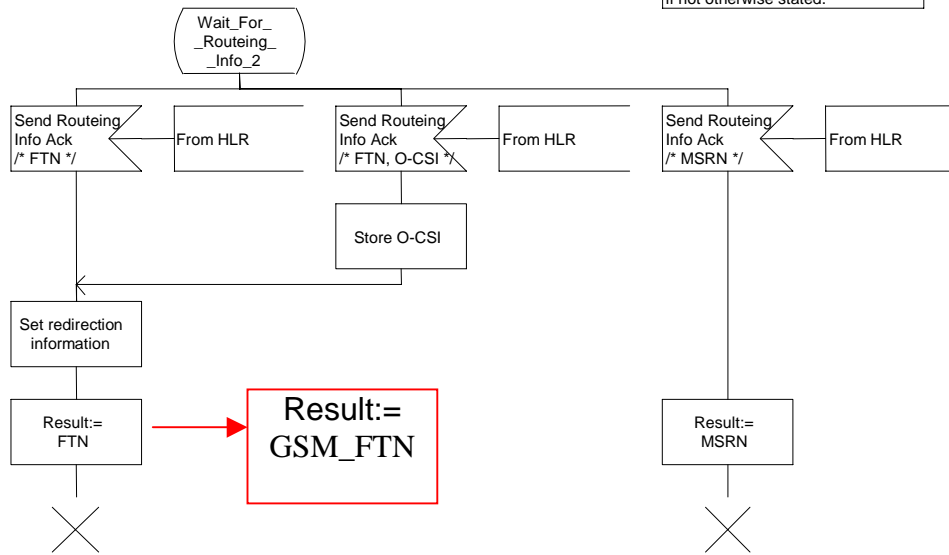


Figure 24g: Procedure CAMEL\_MT\_GMSC\_INIT (sheet 7)

\*\*\* Next modified part \*\*\*

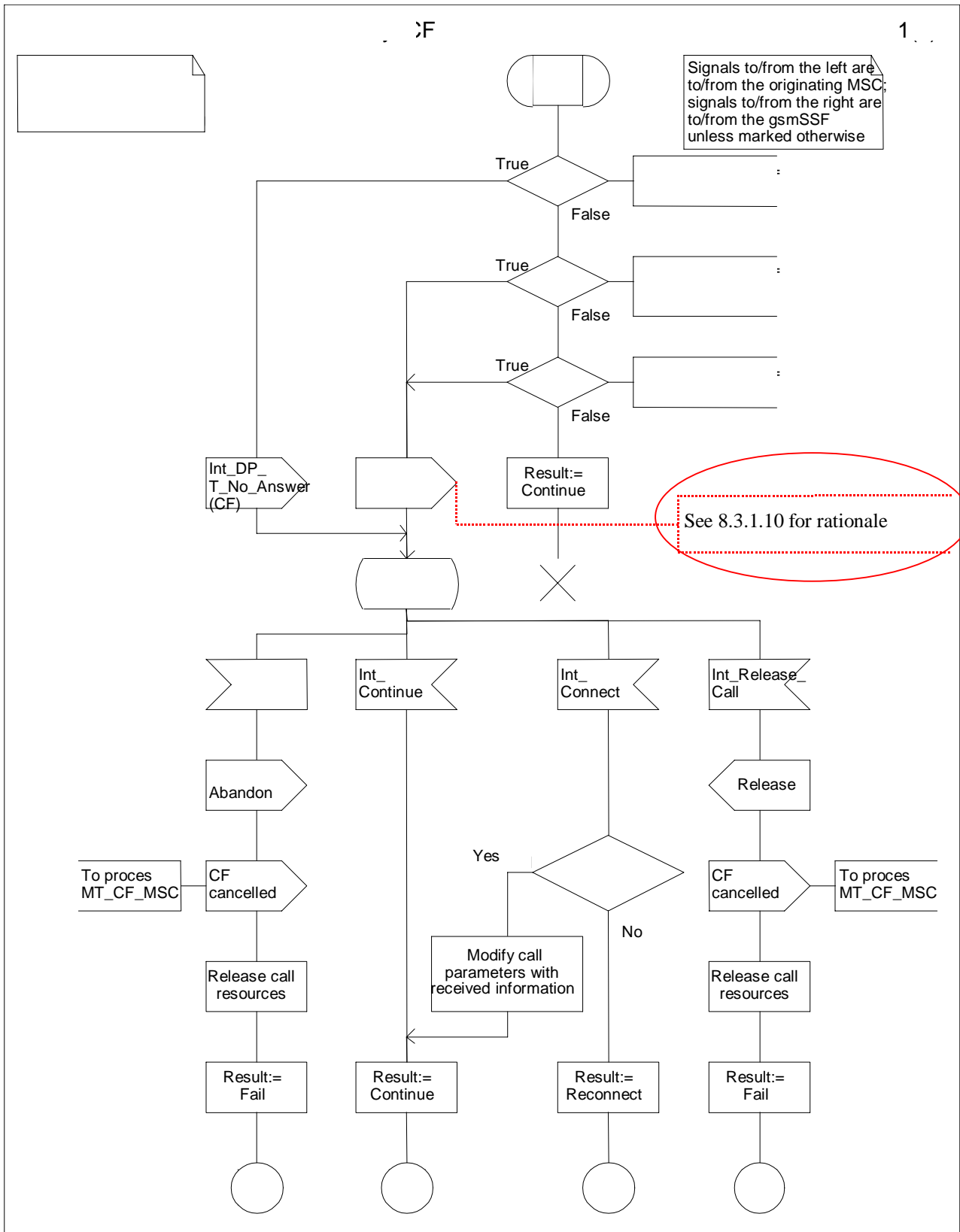


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