

Source: TSG CN WG2
Title: Editorial CRs on Rel-5 Work Item CAMEL4 and IMS-CAMEL
Agenda item: 8.3
Document for: APPROVAL

Introduction:

This document contains 2 Editorial CRs to TS 23.078 (Rel-5 WI CAMEL4) and TS 23.278 (Rel-5 WI IMS-CAMEL). These CRs have been agreed by TSG CN WG2 and are forwarded to TSG CN Plenary meeting #18 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
23.078	483		N2-020975	Rel-5	Figure and table numbers	D	5.1.0
23.278	014		N2-020965	Rel-5	Figure and table numbers	D	5.0.0

CR-Form-v7	
CHANGE REQUEST	
# 23.278 CR 014 # rev - #	Current version: 5.0.0 #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Figure and table numbers		
Source:	# Siemens AG		
Work item code:	# IMS-CAMEL	Date:	# 31/10/2002
Category:	# D	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# For easy reading and referencing the figures and the tables, it would be better to set these numbers to a certain digits.
Summary of change:	# Set the figure numbers and the table numbers to "clause"."sequence"[-"subsequence"]. []-part is used if a set of figures or tables consist of more than one sheets.
Consequences if not approved:	# Currently, the digits in the figure numbers and the table numbers vary, depending on the clauses or the subclauses. It would be annoying.

Clauses affected:	# All				
Other specs affected:	#				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications #	Y	N	#	X
Y	N				
#	X				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications #	#	X		
#	X				
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> O&M Specifications #	#	X		
#	X				
Other comments:	# The contents of this CR show only the example. The similar change shall be applied to all the figures and tables which use alphabet for sub numbering throughout the document.				

***** Example (similar change shall be applied to all the figures and tables which use alphabet for sub numbering) *****

4.1.1 Functional Entities used for CAMEL at IP Multimedia Registration

Figure 4.14.1.1.1 shows the functional entities involved when an MS registers for IP Multimedia session requiring CAMEL support. General registration procedure is detailed in TS 23.228. Upon notification of a UE’s registration, the IM-SSF requests O-IM-CSI, D-IM-CSI, VT-IM-CSI data from the HSS over the Si interface.

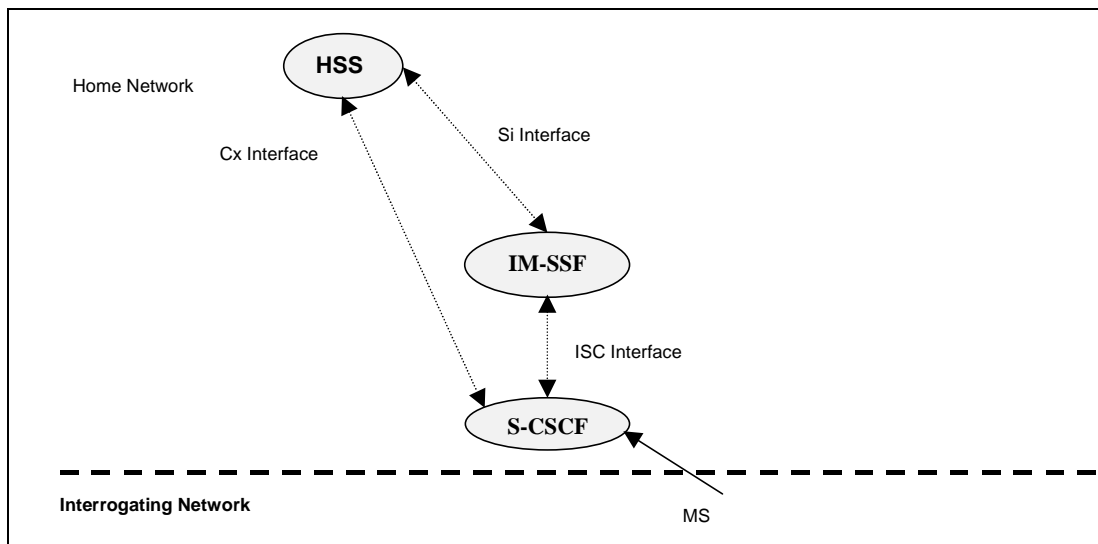


Figure 4.14.1.1.1: Functional architecture for support of CAMEL when mobile registers for IP Multimedia session

CR editor’s note: The example above means “the first figure in clause 4”, instead of “the first figure in subclause 4.1.1”.

4.1.2 Functional Entities used for CAMEL for MO and MT IP Multimedia session

Figure 4.24.1.2.1 shows the functional entities involved in a Mobile Originated IP Multimedia session requiring CAMEL support. The same functional architecture applies in a Mobile Terminated IP Multimedia session for CAMEL.

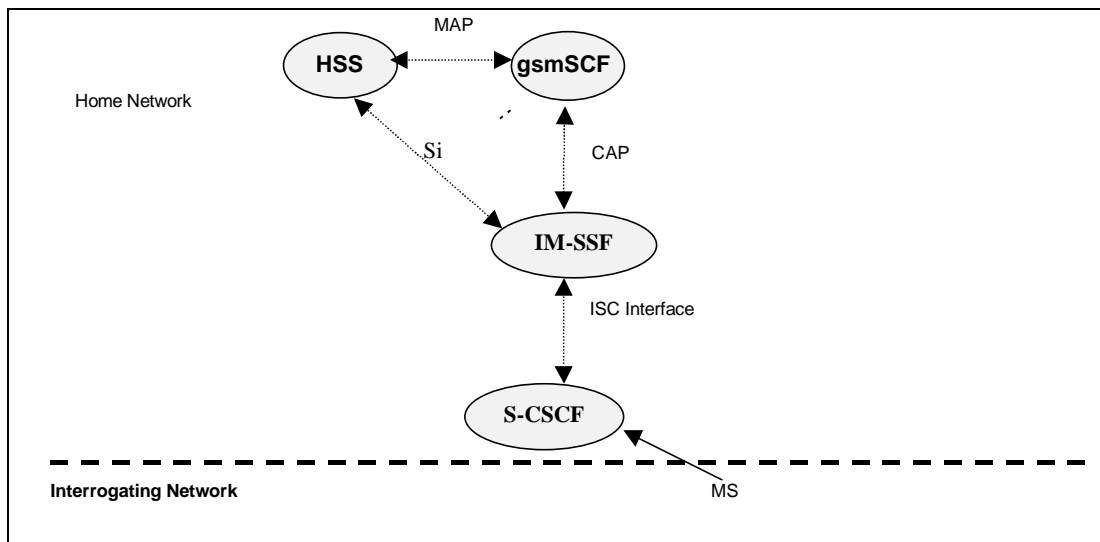


Figure 4.24.1.2.1: Functional architecture for support of CAMEL control of a MO IP Multimedia session

CR editor's note: The example above means "the second figure in clause 4", instead of "the first figure in subclause 4.1.2".

CR editor's note: In the example below, "n" is the sequence number in clause 5, instead of the one in subclause 5.1.5.1.

5.1.5.1 Process imcnSSF

1(30)

/* Invocation of imcnSSF in MO, MT call case. */

/* Timers used in the imcnSSF process:

Tssf: Application timer in the ssf.
 Tcp: Timer for call period.
 This timer measures the duration of a call period.
 Tsw: Timer for tariff switch.
 At the expiration of this timer, a new tariff switch shall be started.
 Tw: Warning timer.
 At the expiration of this timer, a warning tone shall be played to the calling party.
 DELTA: time, measured in the imcnSSF, elapsed between the time an ApplyChargingReport operation is send to the gsmSCF and an ApplyCharging operation is received from the gsmSCF.
 Tccd: Control of call duration timer.
 This timer supervises if after sending of ACR a new AC is received.
 Tccd has a value range of 1 to 20 seconds.

Ranges for the default values for Tssf.
 - non user interaction Tssf timer value: 1 second to 20 seconds
 - user interaction Tssf timer value: 1 minute to 30 minutes
 */

/* TASK definition:
 The sending of an Application_Begin signal opens a new relationship to the gsmSCF.
 The sending of an Application_End or Abort signal terminates the relationship to the gsmSCF.
 */

/* Decision box definitions (1)

'armed TDPs for this CSI?'
 It is questioned whether or not the ongoing call can encounter further TDPs which are indicated in the current CSI.

'Call to be released?'
 It is questioned whether or not the ongoing call will be released immediately after imcnSSF has responded; that is the ongoing call will not send any signals furtheron to the imcnSSF.
 NOTE: In this case the imcnSSF shall also go to idle.
 */

/* Decision box definitions (2)
 The following decisions are used by procedures in CCF.

'imcnSSF invoked?'
 Is the imcnSSF process in any state other than Idle?
 */

Figure 5.nn-15.1.5.1.1a: Process imcnSSF (sheet 1)

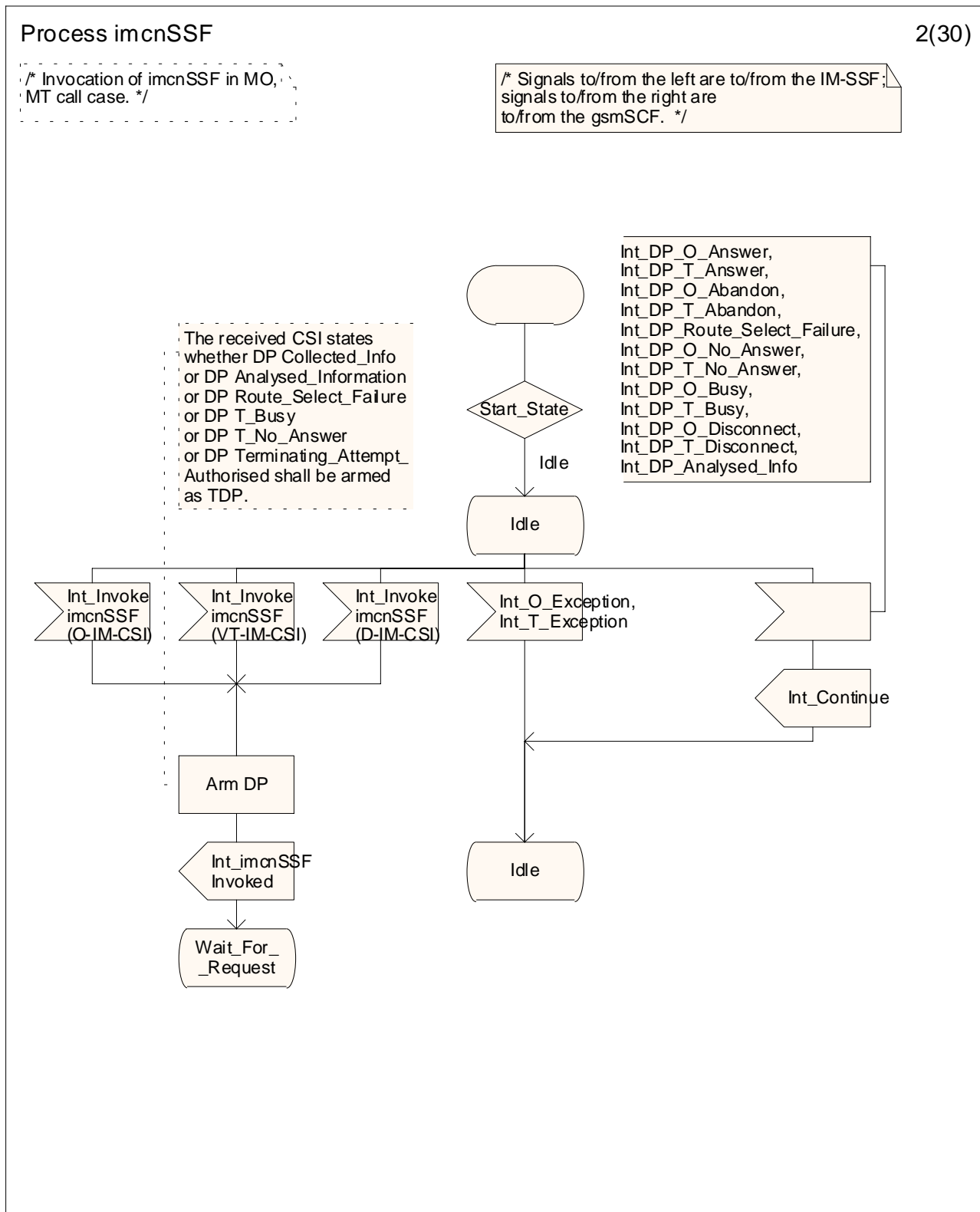


Figure 5.nn-25.1.5.1.1b: Process imcnSSF (sheet 2)

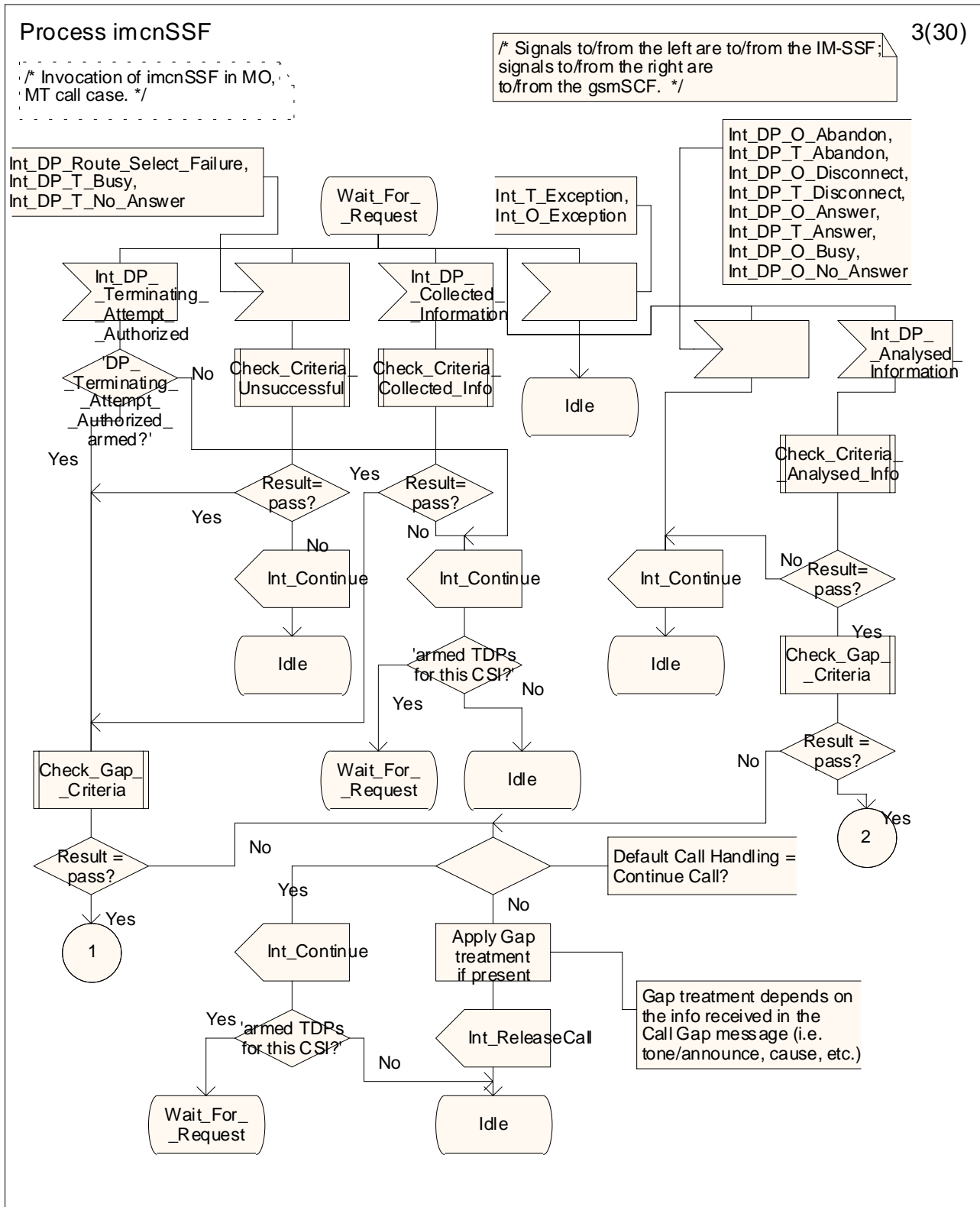


Figure 5.nn-35.1.5.1.1c: Process imcnSSF (sheet 3)

CR-Form-v7	
CHANGE REQUEST	
⌘ 23.078 CR 483 ⌘ rev - ⌘	Current version: 5.1.0 ⌘

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Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Figure and table numbers		
Source:	⌘ Siemens AG		
Work item code:	⌘ CAMEL4	Date:	⌘ 31/10/2002
Category:	⌘ D	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Currently, there are 56 sheets of CS_gsmSSF. The figure numbers are expressed as below; Figure 4.95a Figure 4.95b ... Figure 4.95z Figure 4.95aa Figure 4.95bb ... Figure 4.95zz Figure 4.95aaa Figure 4.95bbb Figure 4.95ccc Figure 4.95ddd This looks very ugly. This CR proposes another expression.
Summary of change:	⌘ Above "alphabetical" parts are proposed to change to "hyphon"+"digit numbers" as "-1", "-2", ... "-56".
Consequences if not approved:	⌘ An ugly document would remain forever.

Clauses affected:	⌘ All										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										

Other comments: ☒ The contents of this CR show only the example. The similar change shall be applied to all the figures and tables which use alphabet for sub numbering throughout the document.

***** Example (similar change shall be applied to all the figures and tables which use alphabet for sub numbering) *****

Process CS_gsmSSF

1(56)

/* Invocation of CS_gsmSSF */

/* Timers used in the CS_gsmSSF process:

Tssf: Application timer in the ssf.

The following timers are applicable for call legs as well as for the connected SRF (srf ID). That is 'pty' may be a leg ID or an srf ID.

Tcp(pty): Timer for call period.
This timer measures the duration of a call period.

Tsw(pty): Timer for tariff switch.
At the expiration of this timer, a new tariff shall be started.

Tw(pty): Warning timer.
At the expiration of this timer, a warning tone shall be played to the calling party.

DELTA(pty): time, measured in the CS_gsmSSF, elapsed between the time an ApplyChargingReport operation is sent to the gsmSCF and an ApplyCharging operation is received from the gsmSCF for that pty.

Tccd(pty): Control of call duration timer.
This timer supervises if after sending of ACR a new AC is received for that pty.
Tccd has a value range of 1 to 20 seconds.

Ranges for the default values for Tssf.

- non user interaction Tssf timer value: 1 second to 20 seconds
- user interaction Tssf timer value: 1 minute to 30 minutes

*/

Figure 4.95-1a: Process CS_gsmSSF (sheet 1)

Process CS_gsmSSF

2(56)

/* Invocation of CS_gsmSSF */

/* Decision box definition (1)

'armed TDPs for this CSI?'

It is questioned whether or not the ongoing call can encounter further TDPs which are indicated in the current CSI.

'Call to be released?'

It is questioned whether or not the ongoing call will be released immediately after CS_gsmSSF has responded; that is the ongoing call will not send any signals furtheron to the CS_gsmSSF. NOTE: In this case the CS_gsmSSF shall also go to idle.

*/

/* Decision box definitions (2)

The following decisions are used by procedures in CCF.

'gsmSSF invoked?'

Is the CS_gsmSSF process in any state other than Idle?

*/

/*

Note to the task box "Perform implicit disarming of DPs";

If DP O_Change_Of_Position and/or DP T_Change_Of_Position are disarmed by this task, the CS_gsmSSF sends

Int_Invoke_O_Change_Of_Position_MSC to the CAMEL_O_CHANGE_OF_POSITION_MSC and/or Int_Invoke_T_Change_Of_Position_MSC to the CAMEL_T_CHANGE_OF_POSITION_MSC with the parameter "Transparent, respectively.

*/

Figure 4.95-2b: Process CS_gsmSSF (sheet 2)

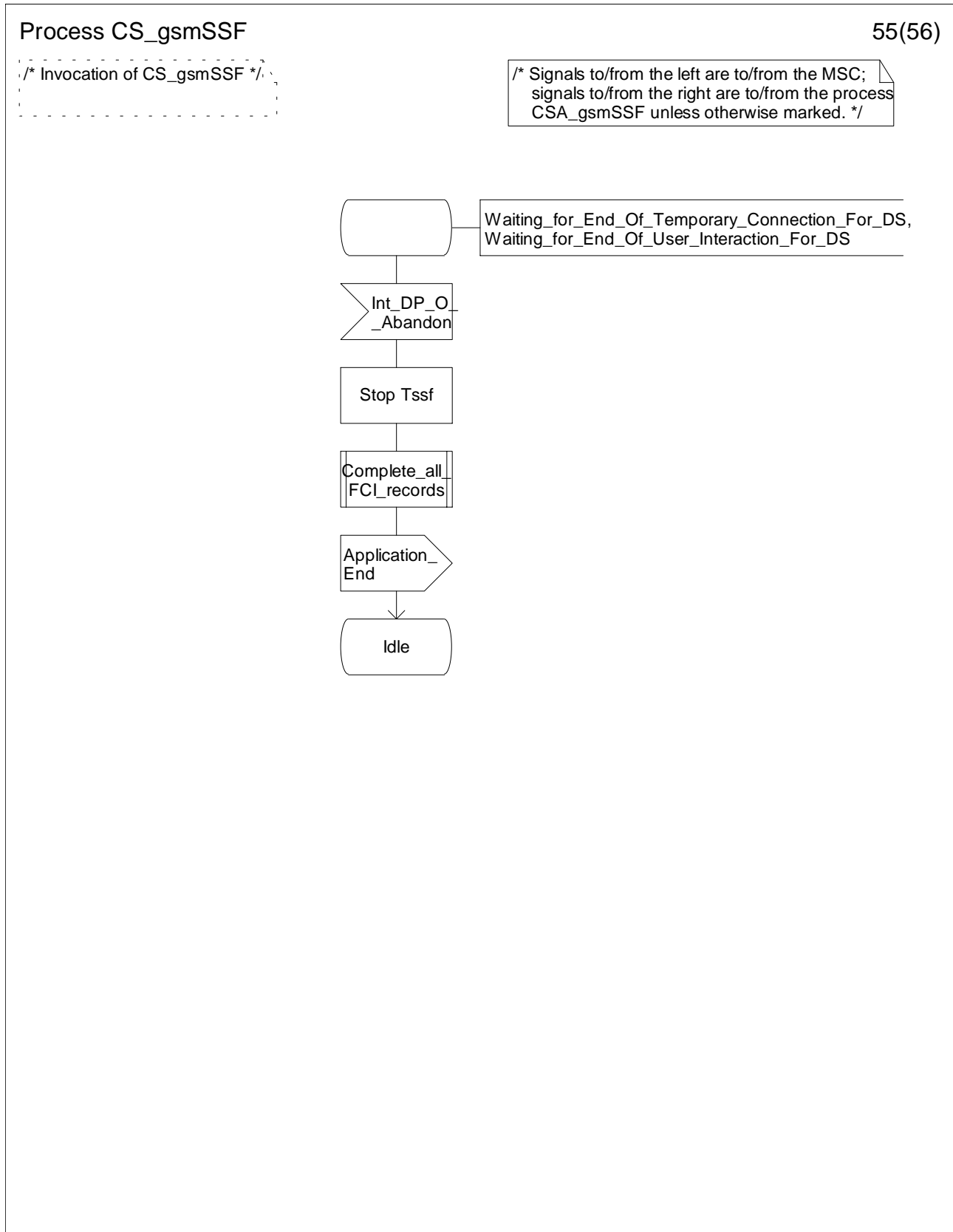


Figure 4.95-55eee: Process CS_gsmSSF (sheet 55)

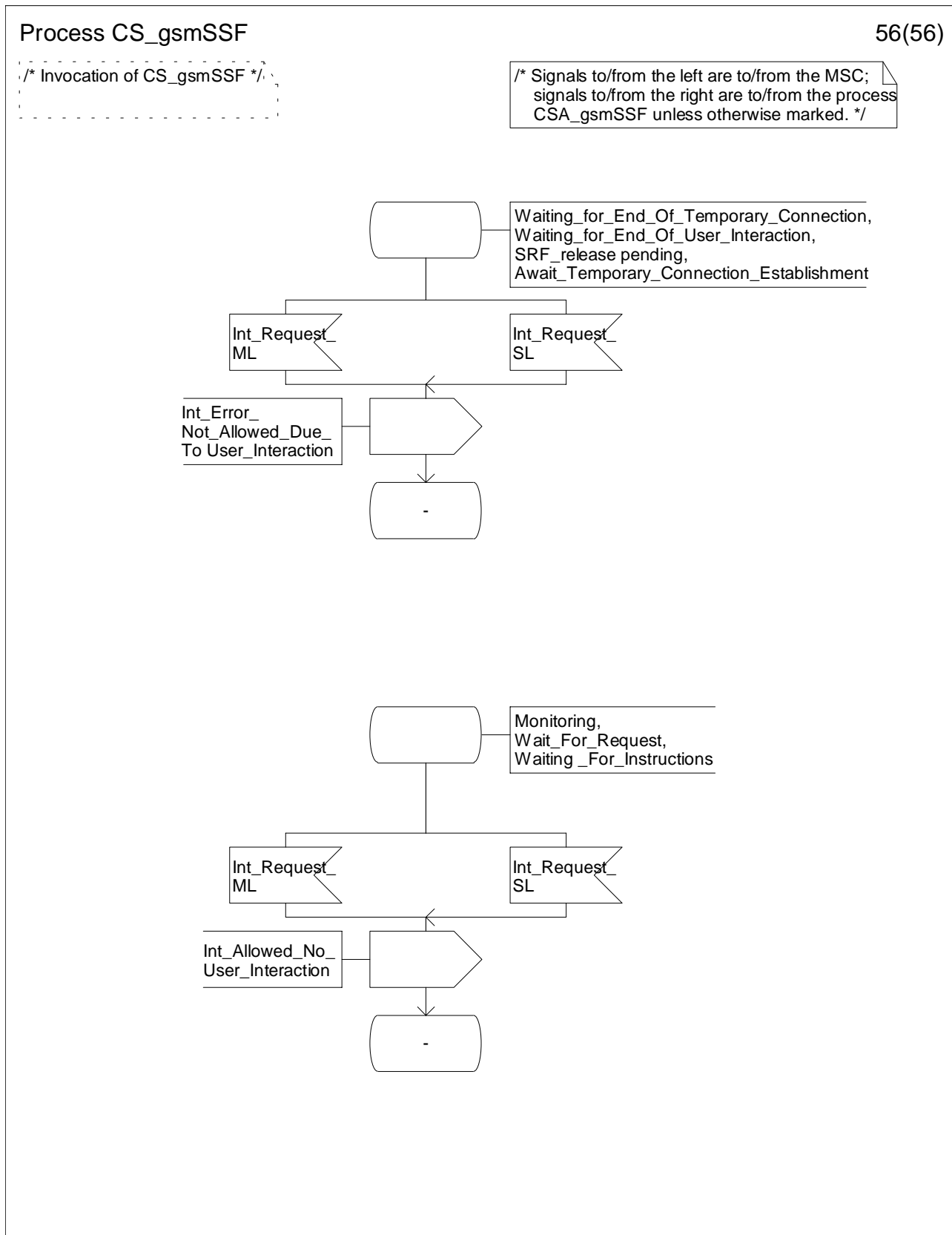


Figure 4.95-56ddd: Process CS_gsmSSF (sheet 56)