3GPP TSG_CN Plenary Meeting #9, Oahu, Hawaii 20th – 22nd September 2000.

Source: TSG_N WG 4

Title: CRs to R99 Work Item CAMEL Phase 3

Agenda item:

Document for: APPROVAL

Introduction:

This document contains 12 CRs on R99 Work Item CAMEL Phase 3, that have been agreed by TSG_N WG4, and is forwarded to TSG_N Plenary meeting #9 for approval.

SM	TDoc	SPEC	CR	REV	PHAS	VERS	SUBJECT	CAT
CN9	N4-000722	23.018	061	2	R99	3.5.0	Update of CAMEL References	F
CN9	N4-000577	23.018	057	3	R99	3.5.0	Handling of the Call Diversion Treatment Indicator	F
CN9	N4-000770	23.018	063	1	R99	3.5.0	Correction of Obtain_Routeing_Address for the reconnect	А
CN9	N2-000533	23.018	056		R99	3.5.0	Correction to Process ICH_VLR	F
CN9	N4-000578	23.072	005		R99	3.2.0	Handling of the Call Diversion Treatment Indicator	F
CN9	N2-000273	23.072	004		R99	3.2.0	Transfer of Procedure Check_CD_SII2 to TS 23.078	F
CN9	N4-000579	23.093	004		R99	3.1.0	Handling of the Call Diversion Treatment Indicator	F
CN9	N2-000526	23.093	003	1	R99	3.1.0	Handling of the Call Completion Treatment Indicator	F
CN9	N4-000597	29.002	165		R99	3.5.1	Removal of LSAIdentity from NoteMM-EventArg	F
CN9	N4-000665	29.002	162	1	R99	3.5.1	Correction on Location Information	F
CN9	N4-000776	29.002	173	2	R99	3.5.1	Optionality of parameters in GPRS-CSI	F
CN9	N4-000778	29.002	187		R99	3.5.1	Clarification for segmentation of D-CSI and SMS-CSI	F

3GPP TSG-N4 #3 Helsinki, Finland, 17-21 July 2000 Tdoc 3GPP N4-000533

(N2-000271)

		CHANGE F	REQL	JEST						
		23.018	CR	056	Current Version	on: 3.5.0				
For submissior	For submission to: TSG-CN#09 for approval for approval for information X strategic non-strategic for information									
Proposed char	nge affects:	(U)SIM	ME	UTRA	N / Radio	Core Network	x X			
Source:	N4				Date:	10 th July 200	0			
Subject:	Correction	o Process ICH_V	LR							
Work item:	CAMEL Ph	ase 3								
<u>Category:</u>	F Correction A Correspond B Addition of C Functional D Editorial me	ds to a correction i feature modification of fea odification	in an eai ature	rlier release	X <u>Release:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X			
<u>Reason for</u> change:	The proced occurances text.	ure CAMEL_O_C should be proced	SI_CHE Jure CAN	CK_VLR is ca MEL_D_CSI_(lled twice in succo CHECK_VLR as c	ession, one of lescribed in the	the e			
Clauses affecte	ed: 7.3.2.1									
Other specs affected:	Other 3G cor Other GSM c specificat MS test spec BSS test spe O&M specific	e specifications ore ions ifications cifications cations		 → List of CRs: 						
<u>Other</u> comments:										

7.3.2.1 Process ICH_VLR

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Sheet 7: the procedures CAMEL_O_CSI_Check_VLR, and CAMEL_D_CSI_Check_VLR are specific to CAMEL. They are specified in 3G TS 23.078 [28].

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Figure 76g: Process ICH_VLR (sheet 7)

3GPP TSG-N4 #4 Seattle, USA, 28 Aug - 1 Sep 2000 Tdoc 3GPP **N4-000577**

(Revision of N4-000536)

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		CHANGE	REQ	UEST				
		23.018	CR	057r3	Current Versi	on: 3.5.0		
For submission to: TSG-CN#09 for approval for approval for information X strategic for information non-strategic X								
Proposed cha	nge affects:	(U)SIM	ME	UTRA	N / Radio 📃	Core Network X		
Source:	N4				Date:	21 st August 2000		
Subject:	Handling of	f the Call Diversion	on Treatr	nent Indicator				
Work item:	CAMEL Ph	ase 3						
<u>Category:</u>	F CorrectionA CorrespondB Addition ofC FunctionalD Editorial m	ds to a correction feature modification of fe odification	in an ea eature	arlier release	X <u>Release:</u>	Phase 2Release 96Release 97Release 98Release 99XRelease 00		
<u>Reason for</u> change:	The Call Di parameter, Deflection. Info, and fr Forwarding	iversion Treatment is used to detern This parameter s om the MSC to th g, the HLR and VI	nt Indicat nine if th hall be s le VLR in R will ch	or, within the So e call can be su ent from the GN Send Info For neck the value o	ervice Interaction bject to Call Forv MSC to the HLR Incoming Call, B of the CDTI.	Indicators Two varding or Call in Send Routeing efore invoking Call		
Clauses affect	ed: 7.2.2,	7.3.1.4 and 7.3.2						
Other specs	Other 3G cor	re specifications	X	\rightarrow List of CRs:	23.072-004 (N 23.072-005 (N 23.078-187 (N 23.078-205 (N 23.093-004 (N	4-000534), 4-000578), 2-000358), 2-000357), 4-000579)		
affected:	Other GSM of specificat MS test spec BSS test specific O&M specific	core tions cifications ecifications cations		→ List of CRs: → List of CRs: → List of CRs: → List of CRs:		,		
<u>Other</u> comments:	The procedu removed as t NOTE: In Pro sheet x).	re call "Check_C this is now check ocess ICH_VLR,	D_SII2" ed in the sheet 3 I	in Procedure Co VLR. has been split in	omplete_Call_In_ nto two new shee	MSC has been ts (sheet 3 and		

**** First Modified Section ****

7.2.2 Functional requirements of HLR

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7.2.2.10 Procedure Handle_CFU

The test "Normal call" refers to the value of the indicator returned by the process MAF007.

The procedure CAMEL_CHECK_SII2_CDTI is specific to CAMEL Phase 3 or later; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL Phase 3 or later, processing continues from the "Yes" exit of the test "Result = Pass?".

7.2.2.11 Procedure Handle_CFNRc

The test "Mobile subscriber not reachable" refers to the value of the indicator returned by the process MAF010.

The procedure CAMEL_CHECK_SII2_CDTI is specific to CAMEL Phase 3 or later; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL Phase 3 or later, processing continues from the "Yes" exit of the test "Result = Pass?".

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Figure 52: Procedure Handle_CFU





Figure 53: Procedure Handle_CFNRc

**** Next Modified Section ****

7.3.1.4 Procedure Complete_Call_In_MSC

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Sheet 3, sheet 5: the procedure CCBS_ICH_MSC_Report_Success is specific to CCBS; it is specified in 3G TS 23.093 [22].

Sheet 3, sheet 5, sheet 11: the procedure Check_CD_SII2 is specific to Call Deflection; it is specified in 3G TS 23.072 [11]. If the VMSC does not support Call Deflection, processing continues from the "Yes" exit of the test "Result=Pass?".

Sheet 3: the procedure CAMEL_Start_TNRy is specific to CAMEL phase 3; it is specified in 3G TS 23.078 [12].

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Figure 69c: Procedure Complete_Call_In_MSC (sheet 3)



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Figure 69e: Procedure Complete_Call_In_MSC (sheet 5)



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Figure 69k: Procedure Complete_Call_In_MSC (sheet 11)

**** Last Modified Section ****

7.3.2 Functional requirements of VLR

7.3.2.1 Process ICH_VLR

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Sheet x, sheet 5: the procedure CAMEL_CHECK_SII2_CDTI is specific to CAMEL Phase 3 or later; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL Phase 3 or later, processing continues from the "Yes" exit of the test "Result = Pass?".

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7.3.2.6 Procedure Handle_CFB

The test "Normal call busy" refers to the value of the indicator returned by the process MAF008.

The procedure CAMEL CHECK SII2 CDTI is specific to CAMEL Phase 3 or later; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL Phase 3 or later, processing continues from the "Yes" exit of the test "Result = Pass?".

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Figure 76c: Process ICH_VLR (sheet 3)

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Figure 76x: Process ICH VLR (sheet x)



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Figure 76e: Process ICH_VLR (sheet 5)



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Figure 81: Procedure Handle_CFB

**** End of Document ****

3GPP TSG-N2 #13 Seattle, USA, 28 Aug - 1 Sep 2000

Tdoc 3GPP **N2-000400**

	СНА	NGE REQ	UEST						
	2	<mark>3.018</mark> CR	061r2	Current Versio	on: 3.5.0				
For submission to: TSG-N#09 for approval for approval for information strategic non-strategic for information Non-strategic X									
Proposed char	Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X								
Source:	N4			Date:	21 st August 200	0			
Subject:	Update of CAMEL	references							
Work item:	CAMEL Phase 3								
<u>Category:</u>	 F Correction A Corresponds to a of B Addition of feature C Functional modificati D Editorial modificati 	correction in an e ation of feature on	arlier release	X <u>Release:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X			
<u>Reason for</u> change:	The references to (example, some pro procedures are als the CAMEL proced	CAMEL procedur ocedures were de o used for CAME lures.	es were not well o scribed as "speci L Phase 3 etc. Th	defined in TS 23 fic to CAMEL Pl his CR clarifies t	0.018. For hase 2", but the he references to				
Clauses affect	ed: 7.1.1.3, 7.2.1.	<mark>1, 7.2.1.2, 7.2.1.8</mark>	3 <mark>, 7.2.2.1, 7.2.3.1</mark> ,	7.3.1.1, 7.3.1.4	. <mark>, 7.3.1.5, 7.3.2.1.</mark>				
Other specs affected:	Other 3G core specifi Other GSM core specifications MS test specification BSS test specification O&M specifications	fications	$\begin{array}{l} \rightarrow \mbox{ List of CRs:} \\ \rightarrow \mbox{ List of CRs:} \end{array}$						
<u>Other</u> comments:	 If the procedure procedure is specified of the procedure stated as, e.g., " If the procedure e.g., "This proce If a phase of CA procedure, this is CAMEL Phase 3 	exists for all phase cific to CAMEL." was introduced a This procedure is is only used for a dure is specifc to MEL requires a n s stated as, e.g. "	ses of CAMEL, no fter CAMEL Phas specific to CAME certain phase of CAMEL Phase 1 ew procedure cal This procedure is	o phase is stated the 1, then the ap EL Phase 2 or la CAMEL, then th " I for a previously called if the VM	d as, e.g., "This opropriate phase i iter." his is stated as, y defined CAMEL ISC supports	is			

**** First Modified Section ****

7.1.1.3 Procedure OG_Call_Setup_MSC

...

Sheet 1: the procedure CAMEL <u>N CSI CHECKheck_N_CSI</u> MSC is specific to CAMEL Phase 3 or later, it is specified in 3G TS 23.078 [12].

•••

Sheet 3: the procedure CAMEL_OCH_MSC_INIT is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL, processing continues from the "Yes" exit of the test "Result=Pass?".

Sheet 3: the procedure CAMEL_MO_Dialled_Services is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3<u>or later</u>, processing continues from the "Yes" exit of the test "Result=Pass?".

. . .

Sheet 3: the procedure CAMEL_Store_Destination_Address is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

•••

Sheet 4, sheet 7: the procedures CAMEL_Start_TNRy and CAMEL_Stop_TNRy are specific to CAMEL phase 2<u>or</u> later; they are specified in 3G TS 23.078 [12].

•••

Sheet 5: the procedure CAMEL_OCH_MSC_ANSWER is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL, processing continues from the "Yes" exit of the test "Result=Pass?".

• • •

Sheet 5: the task "Store CW treatment indicator for this call if received in SII2" is executed only if the VMSC supports CAMEL phase 3 or later.

•••

Sheet 6, sheet 7: the procedures CAMEL_OCH_MSC_DISC3 and CAMEL_OCH_MSC_DISC4 are is specific to CAMEL_Phase 1; they are it is specified in 3G TS 23.078 [12].

Sheet 6, sheet 7: the procedure CAMEL_OCH_MSC_DISC4 is specific to CAMEL Phase 2 or later; it is specified in <u>3G TS 23.078 [12]</u>.

Sheet 6, sheet 6: the procedure CAMEL_OCH_MSC1 is specific to CAMEL phase 2<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 2<u>or later</u>, processing continues from the "No" exit of the test "Result=Reconnect?"

Sheet 6, sheet 7, sheet 9: the processing in the branch beginning with the Int_Release_Call input will occur only if the MSC supports CAMEL.

•••

Sheet 8: the input signal TNRy expired and all the subsequent processing are specific to CAMEL phase 2<u>or later</u>, and will occur only if the VMSC supports CAMEL phase 2<u>or later</u>. The procedure CAMEL_OCH_MSC2 is specified in 3G TS 23.078 [12].

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Sheet 9: the procedure CAMEL_OCH_MSC_DISC1 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL, processing continues from the "No" exit of the test "Result=CAMEL handling?".

Sheet 9: the procedure CAMEL_OCH_MSC_DISC2 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL, processing continues from the "No" exit of the test "Result=CAMEL handling?".

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Figure 8a: Procedure Outgoing_Call_Setup_MSC (sheet 1)

**** Next Modified Section ****

7.2.1.1 Process MT_GMSC

...

Sheet 1: the procedure CAMEL_Set_ORA_Parameters is specific to CAMEL; it is specified in 3G TS 23.078 [12].

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Sheet 1: the procedure CAMEL_Store_Destination_Address is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

•••

Sheet 2: the procedures CAMEL_Start_TNRy and CAMEL_Stop_TNRy are specific to CAMEL phase 2<u>or later</u>; they are specified in 3G TS 23.078 [12].

Sheet 2, sheet 3: the procedure CAMEL_MT_GMSC_ANSWER is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL, processing continues from the "Pass" exit of the test "Result".

•••

Sheet 5: the input signal TNRy expired and all the subsequent processing are specific to CAMEL phase 2<u>or later</u>, and will occur only if the GMSC supports CAMEL phase 2<u>or later</u>. The procedure CAMEL_MT_GMSC_DISC5 is specified in 3G TS 23.078 [12].

Sheet 6: the procedures CAMEL_MT_GMSC_DISC3, <u>CAMEL_MT_GMSC_DISC4 and</u> <u>CAMEL_MT_GMSC_DISC6 are is</u> specific to CAMEL <u>phase 1</u>; they are <u>it</u> is specified in 3G TS 23.078 [12].

Sheet 6: the procedures CAMEL MT GMSC DISC4 and CAMEL MT GMSC DISC6 are specific to CAMEL phase 2 or later; they are specified in 3G TS 23.078 [12].

•••

Sheet 6, sheet 7: the processing in the branch beginning with the Int_Release_Call input will occur only if the MSC supports CAMEL.

Sheet 7: the procedure CAMEL_MT_GMSC_DISC1 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL, processing continues from the "No" exit of the test "Result=CAMEL handling?".

Sheet 7: the procedure CAMEL_MT_GMSC_DISC2 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL, processing continues from the "Normal handling" exit of the test "Result?".

Sheet 7: in the upper subtree, the processing in the branch beginning with the Int_Release_Call input will occur only if the GMSC supports CAMEL.

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**** Next Modified Section ****

7.2.1.2 Procedure Obtain_Routeing_Address

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Sheet 3: the procedure CAMEL_MT_GMSC_INIT is specific to CAMEL; it is specified in 3G TS 23.078 [12].

Sheet 3: the procedure CAMEL_MT_GMSC_Notify_CF is specific to CAMEL phase 2<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the GMSC does not support CAMEL<u>phase 2 or later</u>, processing continues from the "Continue" exit of the test "Result".

•••

Sheet 4: the procedures CAMEL_MT_<u>G</u>MSC_DISC3-and <u>CAMEL_MT_MSC_DISC4 are is</u> specific to CAMEL_<u>phase</u> 1; they are it is specified in 3G TS 23.078 [12].

Sheet 4: the procedure CAMEL MT GMSC DISC4 is specific to CAMEL Phase 2 or later; it is specified in 3G TS 23.078 [12].

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**** Next Modified Section ****

7.2.1.8 Process MT_CF_MSC

Sheet 1: the procedure CAMEL_CF_MSC_INIT is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL, processing continues from the "Yes" exit of the test "Result=Pass?".

Sheet 1, sheet 4: the procedure CAMEL_CF_Dialled_Services is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL phase 3<u>or later</u>, processing continues from the "Pass" exit of the test "Result?".

Sheet 1, sheet 3, sheet 4: the procedure CAMEL_OCH_MSC1 is specific to CAMEL phase 2<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL phase 2<u>or later</u>, processing continues from the "Yes" exit of the test "Result=Reconnect?".

•••

Sheet 1: the procedure CAMEL_Store_Destination_Address is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

Sheet 1, sheet 3: the procedures CAMEL_OCH_MSC_DISC3 and CAMEL_OCH_MSC_DISC4 are is specific to CAMEL_phase 1; they are it is specified in 3G TS 23.078 [12].

Sheet 1, sheet 3: the procedure CAMEL OCH MSC DISC4 is specific to CAMEL Phase 2 or later; it is specified in <u>3G TS 23.078 [12].</u>

Sheet 2: the procedures CAMEL_Start_TNRy and CAMEL_Stop_-TNRy are specific to CAMEL phase 2<u>or later</u>; they are specified in 3G TS 23.078 [12].

Sheet 2: the procedure CAMEL_CF_MSC_ANSWER is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL, processing continues from the "Yes" exit of the test "Result=Pass?".

•••

Sheet 3: the procedures CAMEL_OCH_MSC_DISC3 and CAMEL_OCH_MSC_DISC4 are specific to CAMEL; they are specified in 3G TS 23.078 [12].

Sheet 3: the procedure CAMEL_Stop_-TNRy is specific to CAMEL phase 2<u>or later</u>; it is specified in 3G TS 23.078 [12].

Sheet 3: the processing in the branch beginning with the Int_O_Release input will occur only if the MSC supports CAMEL.

Sheet 4: the input signal TNRy expired and all the subsequent processing are specific to CAMEL phase 2<u>or later</u>, and will occur only if the GMSC supports CAMEL phase 2<u>or later</u>. The procedure CAMEL_OCH_MSC2 is specified in 3G TS 23.078 [12].

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Sheet 5: the procedure CAMEL_OCH_MSC_DISC1 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL, processing continues from the "No" exit of the test "Result=CAMEL handling?".

Sheet 5: the procedure CAMEL_OCH_MSC_DISC2 is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the MSC does not support CAMEL, processing continues from the "No" exit of the test "Result=Reconnect?".

Sheet 5: the processing in the branch beginning with the Int_O_Release input will occur only if the MSC supports CAMEL.

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**** Next Modified Section ****

7.2.2.1 Process SRI_HLR

...

Sheet 1: the procedure CAMEL_HLR_INIT is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the HLR does not support CAMEL, processing continues from the "No" exit of the test"Result=Fail?".

• • •

Sheet 2: the procedure CAMEL_CSI_Check_HLR is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the HLR does not support CAMEL, processing continues from the "No" exit of the test"Result=CSI active?".

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Sheet 4: the procedure CAMEL_CSI_Check_HLR is specific to CAMEL; it is specified in 3G TS 23.078 [12]. If the HLR does not support CAMEL, processing continues from the "No" exit of the test "Result=CSI active?".

Sheet 4: the procedures CAMEL_T_CSI_CHECK_HLR and CAMEL_O_CSI_CHECK_HLR are specific to CAMEL; they are specified in 3G TS 23.078 [12].

Sheet 4: the procedure CAMEL_D_CSI_CHECK_HLR is specific to CAMEL_phase 3 or later; it is specified in 3G TS 23.078 [12].

**** Next Modified Section ****

7.2.3.1 Process PRN_VLR

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Sheet 2,, sheet 3, sheet 6, sheet 7: the procedure CAMEL_SET_SOA is specific to CAMEL; it is specified in 3G TS 23.078 [12].

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**** Next Modified Section ****

8

7.3.1.1 Process ICH_MSC

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Sheet 1: the handling starting with the input signal "Continue CAMEL handling" is specific to CAMEL phase 3<u>or later</u>. If the VMSC does not support CAMEL phase 3<u>or later</u>, this signal will not be received from the VLR.

Sheet 1: the procedure CAMEL_ICH_MSC_INIT is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

• • •

Sheet 2, sheet 3, sheet 5, sheet 7, sheet 8, sheet 10: the procedure CAMEL_MT_GMSC_DISC4 is specific tocalled if the VMSC supports CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3<u>or later</u>, processing continues from the "No" exit of the test "Result=Reconnect?".

Sheet 2, sheet 4, sheet 7, sheet 8, sheet 10: the procedure CAMEL_MT_GMSC_DISC6 is specific to called if the <u>VMSC supports</u> CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

Sheet 3: the procedure CAMEL_MT_GMSC_DISC5 is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 or later, processing continues from the "No" exit of the test "Result=Reconnect?".

Sheet 3: the task "Store CW treatment indicator for this call if received in SII2" is executed only if the VMSC supports CAMEL phase 3<u>or later</u>.

Sheet 3: If the VMSC does not support CAMEL phase 3<u>or later</u>, the procedure Complete_Call_In_MSC and the procedure Process_Call_Waiting_MSC will not return a "Reconnect" result.

•••

Sheet 4: the procedure CAMEL_Check_ORLCF_VMSC is specific to CAMEL phase 2<u>or later</u>; it is specified in 3G TS 23.078 [12].

- If the VLR does not support CAMEL or no CAMEL information is available for the subscriber, then ORLCF may take place ('ORLCF' result from CAMEL_Check_ORLCF_VMSC).
- If CAMEL information is available for the subscriber and the GMSC supports the required CAMEL phase, then ORLCF may take place. The Resume Call Handling request shall include the relevant CAMEL information ('ORLCF' result from CAMEL_Check_ORLCF_VMSC).
- If CAMEL information is available for the subscriber but the GMSC does not support the required CAMEL phase, then ORLCF shall not take place ('VMSCCF' result from CAMEL_Check_ORLCF_VMSC).

•••

Sheet 5: the procedure CAMEL_MT_VMSC_Notify_CF is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

Sheet 5: If the VMSC does not support CAMEL phase 3<u>or later</u>, processing starts with the possible call of the procedure CCBS_Check_Last_Call.

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Sheet 5: the procedure CAMEL_Store_Destination_Address is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

. . .

Sheet 6: The processing on this sheet is specific to CAMEL phase 3<u>or later</u>. If the VMSC does not support CAMEL phase 3<u>or later</u>, the input signal Int_Release Call will not be received.

Sheet 7: the procedure CAMEL_MT_GMSC_ANSWER is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 or later, processing continues from the "No" exit of the test "Result=Reconnect?".

•••

Sheet 11, sheet 12: the procedure CAMEL_MT_GMSC_DISC1 is specific tocalled if the VMSC supports CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

Sheet 11, sheet 12: the procedure CAMEL_MT_GMSC_ DISC2 is specific to <u>called if the VMSC supports</u> CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3<u>or later</u>, processing continues from the "No" exit of the test "Result=Reconnect?".

• • •

Sheet 13: The processing on this sheet is specific to CAMEL phase 3<u>or later</u>. If the VMSC does not support CAMEL phase 3<u>or later</u>, the input signal Int_Release Call will not be received.

**** Next Modified Section ****

7.3.1.4 Procedure Complete_Call_In_MSC

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Sheet 2, sheet 3, sheet 5, sheet 6, sheet 7: the procedure CAMEL_MT_GMSC_DISC4 is specific tocalled if the <u>VMSC supports</u> CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 or later, processing continues from the "No" exit of the test "Result=Reconnect?".

Sheet 2, sheet 3, sheet 6, sheet 9, sheet 10: the procedure CAMEL_MT_GMSC_DISC6 is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

•••

Sheet 3: the procedure CAMEL_Start_TNRy is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

•••

Sheet 4, sheet 7: the procedure CAMEL_MT_GMSC_ANSWER is specific tocalled if the VMSC supports CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3<u>or later</u>, processing continues from the "Yes" exit of the test "Result=Pass?".

•••

Sheet 6: the procedure CAMEL_Stop_TNRy is specific tocalled if the VMSC supports CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12].

•••

Sheet 8: the input signal "CAMEL TNRy expired" will be received only if the VMSC supports CAMEL phase 3<u>or</u> later.

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**** Next Modified Section ****

7.3.1.5 Procedure Process_Call_Waiting_MSC

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Sheet 2: the procedure CAMEL_Start_TNRy is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

. . .

Sheet 2, sheet 3, sheet 6, sheet 7: the procedure CAMEL_MT_GMSC_DISC4 is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 or later, processing continues from the "No" exit of the test "Result=Reconnect?".

•••

Sheet 4, sheet 8: the procedure CAMEL_MT_GMSC_DISC6 is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

Sheet 5: the procedure CAMEL_Stop_TNRy is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12].

•••

Sheet 6: the procedure CAMEL_MT_GMSC_ANSWER is specific tocalled if the VMSC supports CAMEL phase 3 or later; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 or later, processing continues from the "Yes" exit of the test "Result=Pass?" on sheet 6.

•••

Sheet 7: the input signal "CAMEL TNRy expired" will be received only if the VMSC supports CAMEL phase 3<u>or</u> later.

Sheet 7: the procedure CAMEL_MT_GMSC_DISC5 is specific to<u>called if the VMSC supports</u> CAMEL phase 3 <u>or</u> <u>later</u>; it is specified in 3G TS 23.078 [12]. If the VMSC does not support CAMEL phase 3 <u>or later</u>, processing continues from the "No" exit of the test "Result=Reconnect?".

• • •

**** Last Modified Section ****

7.3.2.1 Process ICH_VLR

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Sheet 1: the procedure CAMEL_ICH_VLR is specific to CAMEL phase 3<u>or later</u>; it is specified in 3G TS 23.078 [12]. If the VLR does not support CAMEL phase 3<u>or later</u>, processing continues from the possible call of the procedure CCBS_ICH_Set_CCBS_Call_Indicator.

•••

Sheet 7: the procedures CAMEL_O_CSI_Check_VLR₇ and CAMEL_D_CSI_Check_VLR are specific to CAMEL phase 3 or later; Tthey are specified in 3G TS 23.078 [12].

**** End of Document ****

3GPP TSG-N2 #4 Seattle, USA, 28 Aug - 1 Sep 2000

Tdoc 3GPP **N2-000432**

		CHANGE F	REQU	EST			
		23.018	CR	063r1	Current Versio	on: <u>3.5.0</u>	
For submission	to: TSG-N#	<mark>)9 </mark>	oproval mation	X	strate non-strate	gic X	
Proposed chang	ge affects:	(U)SIM	ME	UTRA	N / Radio	Core Network	< X
Source:	N4				Date:	31 st August 2	2000
Subject:	Corection of	procedure Obtain	n_Routei	ng_Address f	or the reconnect of	case	
Work item:	CAMEL Pha	ise 3					
<u>Category:</u> A B C D	Correction Correspond Addition of Functional n Editorial mo	s to a correction i feature nodification of fea dification	n an earl ature	ier release	X X	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
<u>Reason for</u> change:	If the CAME has to be m	L processing lead ade visible to the	ds to a re procedur	direction of the comparison of	e call to a differen	nt destination,	this
Clauses affected	d: Figure	36c					
Other specs affected:	Other 3G core Other GSM co specificati MS test speci BSS test speci O&M specific	e specifications ore ons fications cifications ations		 List of CRs: 			
Other comments:	Figures 36a, 3	36b and 36d are in	ncluded	unchanged fo	r information		



Figure 36a: Procedure Obtain_Routeing_Address (sheet 1)



Figure 36b: Procedure Obtain_Routeing_Address (sheet 2)





Figure 36c: Procedure Obtain_Routeing_Address (sheet 3)



Figure 36d: Procedure Obtain_Routeing_Address (sheet 4)

**** End of Document ****

3GPP TSG-N4 #4 Seattle, USA, 28 Aug - 1 Sep 2000

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		CHANGE	REQ	UEST						
		23.072	CR	005		Current Version	on: <u>3.2.0</u>			
For submissic	For submission to: TSG-CN#09 for approval X strategic non-strategic X for information non-strategic X									
Proposed cha	Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X									
Source:	N4					Date:	21 st August 20	000		
Subject:	Handling o	of the Call Diversio	n Treat	ment Indic	ator					
Work item:	CAMEL P	hase 3								
<u>Category:</u>	F CorrectionA CorresponB Addition ofC FunctionaD Editorial n	n nds to a correction If feature I modification of fe nodification	in an e	arlier relea	se <mark>x</mark>	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X		
<u>Reason for</u> change:	TSG-N4 h the VLR. 1 checked ir	ave agreed that th This means that fo the Procedure Cl	e Call D r CD Re D_Autho	Diversion T equests, the prization.	reatment e Call Div	t Indicator sha version Treatn	Il be checked in nent Indicator is) 3		
Clauses affect	ted: 7.1									
Other specs	Other 3G cc	ore specifications	X	\rightarrow List of	CRs: 2 2 2 2 2	23.018-057 (Ne 23.072-004 (Ne 23.078-187 (Ne 23.078-205 (Ne 23.093-004 (Ne	4-000577), 4-000534), 2-000358), 2-000357), 4-000579)			
affected:	Other GSM MS test spe BSS test sp O&M specif	core specifications ecifications ecifications ications	6	$\begin{array}{l} \rightarrow \mbox{ List of} \\ \rightarrow \mbox{ List of} \\ \rightarrow \mbox{ List of} \\ \rightarrow \mbox{ List of} \end{array}$	CRs: CRs: CRs: CRs: CRs:					
<u>Other</u> comments:										

**** First Modified Section ****

2

7.1 Procedure CD_Authorization

This procedure examines the authorization related to Call Deflection.

The procedure CAMEL_Check_CD_Interaction is specific to CAMEL phase 2. If CAMEL phase 2 is not supported in the VLR, processing continues from the "No" exit of the test "Result=Pass?".

The procedure CAMEL CHECK SII2 CDTI is specific to CAMEL Phase 3 or higher. If CAMEL Phase 3 or higher is not supported in the VLR, processing continues from the "Yes" exit of the test "Result = Pass?".

. . .



3G TS 23.072 V3.2.0 (2000-01)



Figure 7.1 (sheet 1): Procedure CD_Authorization

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**** End of Document ****

3GPP TSG-N4 #3 Helsinki, Finland, 17-21 July 2000 Tdoc 3GPP N4-000534

(N2-000273)

			_							
			CHAN	GE F	REQ	UEST				
			23.	072	CR	004		Current Versio	on: <u>3.2.0</u>	
For submissio	For submission to: TSG-CN#09 for approval for approval for information X strategic non-strategic (for SMG use only)									
Proposed cha	Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X									
Source:		N4						Date:	10 th July 200	0
Subject:		Transfer of	Procedure	Check	_CD_S	II2 to TS 2	23.078			
Work item:		CAMEL Ph	ase 3							
Category: (only one category shall be marked with an X)	F A B C D	Correction Correspond Addition of Functional Editorial me	ds to a corr feature modificatic odification	ection i	in an ea ature	rlier relea	se	<u>Release:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
<u>Reason for</u> change:		The proced prohibited b procedure s prohibited,	ure Check by the Serv should also and hence	_CD_S ice Inte be use should	II2 is us raction ed to ch be mov	ed to che Indicators eck if the i red to TS	ck if the Two pa nvocati 23.078.	a invocation of C arameter. Howe on of Call Forw	Call Deflection ever, this rarding is	is
Clauses affect	ed	<u>6.7 - d</u>	eleted							
Other specs	C	Other 3G cor	e specifica	tions	X	\rightarrow List of	CRs:	23.018-057 (To 23.078-187 (To	doc N2-00027 doc N2-00027	2) 6)
affected:	C N E C	Other GSM of AS test spec BSS test spe D&M specific	ore specifi ifications cifications ations	cations		$\begin{array}{l} \rightarrow \mbox{ List of} \\ \rightarrow \mbox{ List of} \end{array}$	CRs: CRs: CRs: CRs:			
<u>Other</u> comments:										

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6 Functions of the serving MSC

The functions of the serving MSC are specified in TS 23.018. The procedures specific to the CD supplementary service are specified in this subclause.



This procedure is called after the CD request is received in the serving MSC.



3GPP TSG-N4 #3 Helsinki, Finland, 17-21 July 2000 Tdoc 3GPP N4-000526

(Revision of N2-000274)

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			CHA	NGE F	REQI	JEST				
			2	3.093	CR	003r1		Current Versi	ion: <mark>3.1.0</mark>	
For submission	For submission to: TSG-CN#09 for approval for approval for information X strategic for information non-strategic X									
Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X										
Source:		N4						Date:	18 th July 20	00
Subject:		Handling o	<mark>f the Call</mark>	Completi	<mark>ion Trea</mark>	<mark>tment Indic</mark>	ator			
Work item:		CAMEL Ph	lase 3							
<u>Category:</u>	F A B C D	Correction Correspon Addition of Functional Editorial m	ds to a co feature modifica odificatio	orrection tion of fea n	in an ea ature	rlier release	e	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
<u>Reason for</u> change:		The Servic the gsmSS in the MSC	e Interac F, to the and not	tion Indica MSC. He the VLR.	ators Tw nce, any	vo (SII2) pai y checks on	ramete the co	er is sent from ontent of the S	the gsmSCF, SII2 shall be de	via one
Clauses affec	ted	: Figure	<mark>s 11.2.3</mark> .	11 and 1	1.3.4					
Other specs affected:	C C N E C	Other 3G con Other GSM of MS test speci 3SS test specific D&M specific	re specifi core spec cifications ecificatior cations	cations cifications s is		$\begin{array}{l} \rightarrow \text{ List of C} \\ \rightarrow \text{ List of C} \end{array}$:Rs: :Rs: :Rs: :Rs: :Rs: :Rs:			
<u>Other</u> comments:	•	Procedu in TS 23 Procedu (specifie	re CCBS .018) re CCBS d in TS 2	_ICH_Se _Set_Dia 3.018)	t_CCBS	_Target is o _For_Relea	called l ise is c	by Process IC alled by Proce	CH_VLR (spec	ified

11.2.3 Procedures in MSC/VLR





Figure 11.2.3.11: Procedure CCBS_ICH_Set_CCBS_Target

11.3 Processes and procedures common in originating and destination network entities





Figure 11.3.4: Procedure CCBS_Set_Diagnostic_For_Release

3GPP TSG-N4 #4 Seattle, USA, 28 Aug - 1 Sep 2000

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		CHANGE F	REQI	JEST						
		23.093	CR	004	Current Versi	on: 3.1.0				
For submissio	For submission to: TSG-CN#09 for approval for approval for information X strategic for information non-strategic X									
Proposed cha	Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X									
Source:	N4				Date:	21 st August 2	000			
Subject:	Handling o	f the Call Diversior	<mark>n Treatm</mark>	nent Indicator						
Work item:	CAMEL Ph	ase 3								
<u>Category:</u>	F CorrectionA CorresponB Addition ofC FunctionalD Editorial m	ds to a correction feature modification of fea odification	in an ea ature	rlier release	X <u>Release:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X			
<u>Reason for</u> change:	The Call D Forwarding the Call Div process HL	iversion Treatment . The CCBS Supp version Treatment .RB_BLOCKING h	t Indicate lementa Indicato las beer	or is used to pr ary Service can or needs to be c o re-modelled to	event the invoca invoke early CF checked in this so preflect this.	tion of Call B in the HLR, s cenario. The	0			
Clauses affect	ed: 11.2.2									
Other specs	Other 3G co	re specifications	X -	\rightarrow List of CRs:	23.018-057 (N 23.072-004 (N 23.072-005 (N 23.078-187 (N 23.078-205 (N	4-000577), 4-000534), 4-000578), 2-000358), 2-000357)				
affected:	Other GSM of specifica MS test spec BSS test specific O&M specific	core tions cifications ecifications cations	-	→ List of CRs: → List of CRs: → List of CRs: → List of CRs: → List of CRs:	X					
<u>Other</u> comments:										

**** First Modified Section ****

2

11.2.2 Processes and procedures in HLR

. . .

Figure 11.2.2.6: Process HLRB_Blocking

This process controls the CCBS Call delivery reporting when the processes are in the proper state. This means that the reporting functionality of the outcome of the CCBS Call is not blindly triggered whenever there is a terminating CCBS Call.

The process has three different states: "idle", "Blocking" and "Recall Blocking". The "Idle" state reflects the case when blocking is disabled. In the "Blocking" state all incoming calls are blocked (e.g. while T8 is running). The "Recall Blocking" state allows one CCBS Call to pass, which will trigger the CCBS Call delivery reporting in the MSC/VLR via the TS 23.018 process "SRI_HLR". When this happens, the process will automatically change back to state "Blocking" as no other CCBS Call is expected for now.

When the process has detected that destination B is idle, it will start the blocking. Hence, the blocking process will change state to "Blocking". As soon as the process "HLRB_Recall_Manager" has initiated a CCBS Recall, it will cause a state change in the blocking process to state "Recall Blocking". When the CCBS Call is received, "result = OK" indication in signal "SRI_Received_Ack" will trigger the reporting mechanism for CCBS Call delivery via a PRN request in the TS 23.018 process "SRI_HLR"

•••



Figure 11.2.2.6: Process HLRB_BLOCKING (sheet 1 of 3)





Figure 11.2.2.6: Process HLRB_BLOCKING (sheet 2 of 3)

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Figure 11.2.2.6: Process HLRB_BLOCKING (sheet 3 of 3)

•••

**** End of Document ****

(Revision of N4-000575)

3GPP TSG-N2 #4 Seattle, USA, 28 Aug - 1 Sep 2000

Tdoc 3GPP N2-000392

(Revision of N2-000356)

			CHANGE	ERE	QUES	ST			
			29.00	2 C	R <mark>16</mark>	2r1	Current Version	on: <u>3.5.0</u>	
For submission to: TSG-N#09 for approval X strategic for information non-strategic X									
Proposed change affects: (U)SIM ME UTRAN / Radio Core Network X									
Source:		Vodafone					Date:	25 th August 2	000
Subject:		Correction of	on Location Inf	ormatio	n				
Work item:		CAMEL Pha	ase 3						
<u>Category:</u>	F A B C D	Correction Correspond Addition of Functional Editorial mo	ds to a correcti feature modification of odification	on in an f feature	earlier re	elease	X <u>Release:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
<u>Reason for</u> <u>change:</u>		For Locatio had provide example, a Edinburgh. inaccurate i receiving.	n Based CAMI ed the Cell Glob Cell Global ID A subscriber re nformation. He	EL servin bal ID on of 1 ind equestin ence, the	ces, there the Service Long location g location g gsmSC	e was no w vice Area C ondon, a Se n based in F needs to	vay of knowing y Code. This cause ervice Area Cod formation would know which inf	whether the MS es a problem if e of 1 indicates I be given ormation it is	SC , for S
Clauses affect	ted:	7.6.2.3	7, 8.3.1 and 1	7.7.1					
Other specs affected:		Other 3G cor Other GSM c specificat AS test spec BSS test spe D&M specific	e specification ore ions ifications cifications cations	s X	$\begin{array}{c} \rightarrow \mbox{ Lis} \\ \rightarrow \mbox{ Lis} \\ \rightarrow \mbox{ Lis} \\ \rightarrow \mbox{ Lis} \\ \rightarrow \mbox{ Lis} \end{array}$	t of CRs: t of CRs: t of CRs: t of CRs: t of CRs: t of CRs:	R00: 29.002-16	63 (N4-000666)
<u>Other</u> comments:	T O	he paramet	er defined in se section 8.3.1 (I	ection 7. Process	6.2.37 (S Access I	Serving cel Request), s	l global Id or ser so the name has	rvice area Id) is s been aligned.	5

**** First Modified Section ****

7.6.2.37 Serving cell-global Id-or service area Id

This parameter indicates the cell-or the service area currently being used by the served subscriber.

**** Next Modified Section ****

8.3.1 MAP_PROCESS_ACCESS_REQUEST service

8.3.1.1 Definition

•••

8.3.1.2 Service primitives

Table 8.3/1: MAP_PROCESS_ACCESS_REQUEST

Parameter name	Request	Indication	Response	Confirm
Invoke Id	M	M(=)	M(=)	M(=)
CM service type	М	M(=)		
Access connection status	М	M(=)		
Current Location Area Id	М	M(=)		
Serving cell <u>l</u> id	М	M(=)		
TMSI	С	C(=)		
Cksn	С	C(=)		
IMSI	С	C(=)	С	C(=)
IMEI	С	C(=)	С	C(=)
MSISDN			U	C(=)
User error			C	C(=)
Provider error				0

8.3.1.3 Parameter definitions and use

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Serving cell Iid

See definition in subclause 7.6.2.

•••

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**** Last Modified Section ****

17.7.1 Mobile Service data types

LocationInformation ::= SEQUENCE {		
ageOfLocationInformation	AgeOfLocationInformation	OPTIONAL,
geographicalInformation	[0] GeographicalInformation	OPTIONAL,
vlr-number	[1] ISDN-AddressString	OPTIONAL,
locationNumber	[2] LocationNumber	OPTIONAL,
cellGlobalIdOrServiceAreaIdOrLAI	[3] CellGlobalIdOrServiceAreald	dorlai optional,
extensionContainer	<pre>[4] ExtensionContainer</pre>	OPTIONAL,

,		
selectedLSA-Id	[5] LSAIdentity	OPTIONAL,
msc-Number	[6] ISDN-AddressString	OPTIONAL,
geodeticInformation	[7] GeodeticInformation	OPTIONAL,
currentLocationRetrieved	[8] NULL	OPTIONAL,
sai-Present	[9] NULL	OPTIONAL }
sai-Present indicates that the	cellGlobalIdOrServiceAreaIdOrLA	I parameter contains
a Service Area Identity.		
currentLocationRetrieved shall	be present	
if the location information wer	e retrieved after a successfull	paging.

**** End of Document ****

3GPP TSG CN4 Meeting #4 Seattle, 28thAugust - 1st September 2000 Document N4-000597

CHANGE REQUEST								
		29.002	CR	165		Current Versi	on: <mark>3.5.1</mark>	
For submission to: CN#09 for approval for approval for information X strategic non-strategic X Form: CR cover sheet, version 2 for 3GPP and SMG The latest version of this form is available from: ttp://ttp.3gpp.org/Information/CR-Fo						gic gic X	n-v2.doc	
Proposed changes (at least one should be	ge affects: marked with an X)	(U)SIM	ME	l	JTRAN /	Radio	Core Networl	< X
Source:	N4					Date:	31 st July 200	0
Subject:	Removal of LS	Aldentity from	NoteM	<mark>/I-EventA</mark>	rg			
Work item:	CAMEL phase	3						
Category: A E C C	 Correction Corresponds t Addition of fea Functional mo Editorial modified 	o a correction i ture dification of fea ication	in an ea ature	rlier relea	ISE	Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	x
<u>Reason for</u> change:	LSAIdentity is a	lready included	in Locat	ionInform	ation.			
Clauses affecte	<u>d:</u> 17.7.1							
Other specs affected:	Other 3G core s Other GSM core specification MS test specific BSS test specific O&M specification	pecifications s ations cations ons			CRs: F CRs: CRs: CRs: CRs: CRs:	R00		
<u>Other</u> comments:								

17.7.1 Mobile Service data types

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LocationInformation ::= SEQUENCE {						
ageOfLocationInformation	Age	OfLocationInformation	OPTIONAL,			
geographicalInformation	[0]	GeographicalInformation	OPTIONAL,			
vlr-number	[1]	ISDN-AddressString	OPTIONAL,			
locationNumber	[2]	LocationNumber	OPTIONAL,			
cellGlobalIdOrServiceAreaIdOrLAI	[3]	3] CellGlobalIdOrServiceAreaIdOrLAI				
OPTIONAL,						
extensionContainer	[4]	ExtensionContainer	OPTIONAL,			
· · · · /						
selectedLSA-Id	[5]	LSAIdentity	OPTIONAL,			
msc-Number	[6]	ISDN-AddressString	OPTIONAL,			
geodeticInformation	[7]	GeodeticInformation	OPTIONAL,			
currentLocationRetrieved	[8]	NULL	OPTIONAL }			
currentLocationRetrieved shall be pres	sent					
- if the location information were retrieved after a successfull paging.						

.

-- mobility management event notificatioon info types

NoteMM-EventArg::= SEQUENCE {			
serviceKey			
eventMet	[0]	MM-Code,	
imsi	[1]	IMSI,	
msisdn	[2]	ISDN-AddressString,	
locationInformation	[3]	LocationInformation	OPTIONAL,
	[4]	LSAIdentity	OPTIONAL,
supportedCAMELPhases	[5]	SupportedCamelPhases	OPTIONAL,
extensionContainer	[6]	ExtensionContainer	OPTIONAL,
}			

.

3GPP TSG CN WG4 28 August - 1 September 2000 Seattle (WA), USA

		CHANGE F	REQI	JEST	Please se page for i	ee embedded help fi instructions on how t	le at the bottom of th to fill in this form con	nis rectly.
		29.002	CR	173r2		Current Versio	on: <u>3.5.0</u>	
GSM (AA.BB) or 3G	GSM (AA.BB) or 3G (AA.BBB) specification number ↑ ↑ CR number as allocated by MCC support team							
For submission	to: CN#09 eeting # here ↑	for ap for infor	oproval mation	X		strateo non-strateo	gic (for Si gic X ^{use o}	MG nly)
For Proposed chang (at least one should be m	m: CR cover sheet, ve Je affects: narked with an X)	rsion 2 for 3GPP and SMG	The latest	version of this for	m is availabi	le from: ftp://ftp.3gpp.or	g/Information/CR-Form	n-v2.doc K X
Source:	N4					Date:	23.8.2000	
Subject:	Optionality of	of parameters in G	PRS-C	SI				
Work item:	CAMEL Pha	ase 3						
Category:FA(only one categoryshall be markedCwith an X)	Correction Correspond Addition of Functional r Editorial mo	ls to a correction i feature modification of fea odification	n an ea ature	rlier release		Release:	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	x
	Parameters possible.	in GPRS-CSI sha	all be op	tional in AS	SN.1 so	that the segm	entation is	
Clauses affected	<u>d:</u> 17.7							
Other specs affected:	Other 3G core Other GSM co MS test speci BSS test spec O&M specific	e specifications ore specifications fications cifications ations		$\begin{array}{l} \rightarrow \ \text{List of C} \\ \rightarrow \ \text{List of C} \end{array}$	Rs: Rs: Rs: Rs: Rs: Rs:			
Other comments:								

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

17.7 MAP constants and data types

17.7.1 Mobile Service data types

**** NEXT MODIFIED SECTION ****

GPR	S-CSI ::= SEQUENCE {		
	gprs-CamelTDPDataList	[0] GPRS-CamelTDPDataList	OPTIONAL,
	camelCapabilityHandling	[1] CamelCapabilityHandling	OPTIONAL,
	extensionContainer	[2] ExtensionContainer	OPTIONAL,
	notificationToCSE	[3] NULL	OPTIONAL,
	csiActive	[4] NULL	OPTIONAL,
	}		
	notificationToCSE and csi-Active	e shall not be present when GPRS-	CSI is sent to SGSN.
	They may only be included in AT:	SI/ATM ack/NSDC message.	
	GPRS-CamelTDPData and camelCapa	abilityHandling shall be present	in
	the GPRS-CSI sequence.		
	If GPRS-CSI is segmented, gprs-	CamelTDPDataList and camelCapabil	ityHandling shall be
	present in the first segment		

3GPP TSG CN WG4 28 August - 1 September 2000 Seattle (WA), USA

		CHANGE F	REQU	JEST	Please see emb page for instruct	edded help fil ions on how t	le at the bottom of thi o fill in this form corre	s əctly.
		29.002	CR	187	Curre	ent Versio	on: <u>3.5.1</u>	
GSM (AA.BB) or 3G (A	AA.BBB) specifica	tion number \uparrow		↑ CR	number as allocat	ed by MCC si	upport team	
For submission to	o: CN#09 eting # here ↑	for ap for infor	oproval mation	X	no	strateg on-strateg	gic (for SN gic X use on	1G ly)
Form: Proposed change (at least one should be main	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 X (at least one should be marked with an X) (U)SIM ME UTRAN / Radio Core Network X						v2.doc	
Source:	N4					Date:	31.8.2000	
Subject:	Clarification	for segmentation	of D-CS	I and SM	S-CSI			
Work item:	CAMEL Pha	ise 3						
Category:FA(only one categorybshall be markedCwith an X)D	Correction Correspond Addition of f Functional r Editorial mo	s to a correction i eature nodification of fea dification	in an ear ature	lier releas	ie Re	<u>elease:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 Release 00	X
	Clarification parameters data missing	for segmentation are mandatory for gerror is avoided	of D-CS r CAME	I and SM and they	S-CSI is need must be incl	ded. Som luded in fi	e of those CSI irst ISD so that	's the
Clauses affected:	17.7							
Other specs C affected: C M B C	Other 3G core Other GSM co IS test speci ISS test spec O&M specifica	e specifications ore specifications fications cifications ations		 → List of (CRs: CRs: CRs: CRs: CRs: CRs:			
Other comments:								

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

17.7 MAP constants and data types

17.7.1 Mobile Service data types

**** NEXT MODIFIED SECTION ****

D-CSI : = SEQUENCE { dp-AnalysedInfoCriteriaList [0] DP-AnalysedInfoCriteriaList OPTIONAL, [1] CamelCapabilityHandling camelCapabilityHandling OPTIONAL, extensionContainer [2] ExtensionContainer OPTIONAL, ...} DP-AnalysedInfoCriteria and camelCapabilityHandling shall be present in the D-CSI sequence. If D-CSI is segmented, dp-AnalysedInfoCriteriaList and camelCapabilityHandling shall be present in the first segment DP-AnalysedInfoCriteriaList ::= SEQUENCE SIZE (1..maxNumOfDP-AnalysedInfoCriteria) OF DP-AnalysedInfoCriterium

maxNumOfDP-AnalysedInfoCriteria INTEGER ::= 10

**** NEXT MODIFIED SECTION ****

SMS-CSI ::= SEQUENCE { sms-CAMEL-TDP-DataList [0] SMS-CAMEL-TDP-DataList OPTIONAL, camelCapabilityHandling [1] CamelCapabilityHandling OPTIONAL, OPTIONAL, extensionContainer [2] ExtensionContainer OPTIONAL, notificationToCSE [3] NULL csiActive [4] NULL OPTIONAL, ...} notificationToCSE and csiActive shall not be present when SMS-CSI is sent to VLR/SGSN. _ _ They may only be included in ATSI/ATM Ack message. SMS-CAMEL-TDP-Data and camelCapabilityHandling shall be present in the SMS-CSI sequence. If SMS-CSI is segmented, sms-CAMEL-TDP-DataList and camelCapabilityHandling shall be present in the first segment