

Source: SA1

Title: CRs to 22.078 R99, Rel-4 and Rel-5 on "Clarification of CUG requirements"

Document for: Approval

Agenda Item: 7.1.3

Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
22.078	104		R99	F	CR 22.078-104 on "Clarification of CUG requirements" (CAMEL3, R99, Category F, version 3.7.0)	3.7.0	3.8.0	S1-010543
22.078	105		Rel-4	A	CR 22.078-105 on "Clarification of CUG requirements" (CAMEL3, REL-4, Category A, version 4.1.0)	4.2.0	4.3.0	S1-010309
22.078	106		Rel-5	A	CR 22.078-106 on "Clarification of CUG requirements" (CAMEL3, REL-5, Category A, version 5.2.0)	5.2.0	5.3.0	S1-010310

CHANGE REQUEST

22.078 CR 104 rev Current version: 3.7.0

Proposed change affects: (U)SIM ME/UE Radio Access Network Core Network

Title:	Clarification of CUG requirements		
Source:	SA1		
Work item code:	CAMEL3	Date:	26 th April 2001
Category:	F	Release:	R99
	<i>Use <u>one</u> of the following categories:</i> 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.		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	The current requirements for CAMEL control of CUG are not clear enough to state that the CSE can only modify CUG information for a CUG call. A CSE can not add CUG information to a non-CUG MO, MT or MF call. The purpose of this change request is to state clearly that a CSE can only modify CUG information for a CUG call.
Summary of change:	Clarification is added stating that the CSE can only change CUG information for a CUG call.
Consequences if not approved:	Confusion on whether or not the CSE can add CUG information to a non-CUG call.

Clauses affected:	18.6	
Other specs affected:	<input checked="" type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	S1-010309 (REL-4), S1-010310 (REL-5)
Other comments:	<p>At the last CN2 meeting, Alcatel presented a change request to TS 23.078 for CAMEL3 (R99), "correcting" the handling of CUG, as they believed the stage 2 was not consistent with the stage 1. This prompted a discussion of the stage 1 requirements for CAMEL interactions with CUG. The main change in the Alcatel CR was to allow the CSE to convert a non-CUG call into a CUG-call. This was never the intention of the original service requirements.</p> <p>Vodafone originally introduced the interaction with CUG requirements, for the Multiple Subscriber Profile supplementary service. Hence, we took the action to clarify the stage 1 requirements, the Alcatel CR was rejected.</p> <p>We agree that we should only agree essential CRs for R99. We also believe that clarifying the stage 1 specification is preferable to functionally modifying the stage 2 specification.</p>	



***** Modified Section *****

18.6 Closed User Group (CUG)

~~The CSE shall decide whether to invoke the CUG supplementary service and shall perform the necessary processing for a Mobile Originated, Mobile Terminated or Forwarded call.~~ When a terminating call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

- If the called subscriber subscribes to CUG then the IPLMN shall release the call to the calling party;
- If the called subscriber does not subscribe to CUG then the IPLMN shall continue the call establishment to the modified called party number.

\$(begin\$(CAMEL3\$)

For an MO call, an MF call, or an MT call subject to CAMEL forwarding, with CUG information, the CSE shall be able to instruct the VPLMN/IPLMN to:

- Continue the call establishment with the original CUG information, or
- Use modified CUG information for that call, or
- Remove CUG information from the call (i.e. continue the call as a non-CUG call).

For an MT call which is not subject to CAMEL forwarding, the CSE shall not be able to modify the CUG information for the call.

When an MT call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

- If the called subscriber subscribes to CUG then the VPLMN shall release the call to the calling party;
- If the called subscriber does not subscribe to CUG then the VPLMN shall continue the call establishment to the destination defined by the modified called party number.

\$(end\$(CAMEL3\$)

***** End of Document *****

CHANGE REQUEST

22.078 CR 105 rev 0 Current version: 4.2.0

Proposed change affects: (U)SIM ME/UE Radio Access Network Core Network

Title:	Clarification of CUG requirements		
Source:	SA1		
Work item code:	CAMEL3	Date:	11 th May 2001
Category:	A	Release:	REL-4
	<i>Use one of the following categories:</i> F (essential 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.		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	The requirements for CAMEL control of CUG are unclear.
Summary of change:	Clarification is added stating that the CSE can only change CUG information for a CUG call.
Consequences if not approved:	Confusion on whether or not the CSE can add CUG information to a non-CUG call.

Clauses affected:	18.6	
Other specs affected:	<input checked="" type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	S1-010308 (R99), S1-010310 (REL-5)
Other comments:		

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~~The CSE shall decide whether to invoke the CUG supplementary service and shall perform the necessary processing for a Mobile Originated, Mobile Terminated or Forwarded call.~~ When a terminating call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

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- Use modified CUG information for that call, or
- Remove CUG information from the call (i.e. continue the call as a non-CUG call).

For an MT call which is not subject to CAMEL forwarding, the CSE shall not be able to modify the CUG information for the call.

When an MT call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

- If the called subscriber subscribes to CUG then the VPLMN shall release the call to the calling party;
- If the called subscriber does not subscribe to CUG then the VPLMN shall continue the call establishment to the destination defined by the modified called party number.

\$(end\$(CAMEL3\$)

***** End of Document *****

CHANGE REQUEST

22.078 CR 106 rev 0 Current version: 5.2.0

Proposed change affects: (U)SIM ME/UE Radio Access Network Core Network

Title:	Clarification of CUG requirements		
Source:	SA1		
Work item code:	CAMEL3	Date:	11 th May 2001
Category:	A	Release:	REL-5
	Use <u>one</u> of the following categories: F (essential 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)

Reason for change:	The requirements for CAMEL control of CUG are unclear.
Summary of change:	Clarification is added stating that the CSE can only change CUG information for a CUG call.
Consequences if not approved:	Confusion on whether or not the CSE can add CUG information to a non-CUG call.

Clauses affected:	18.6	
Other specs affected:	<input checked="" type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	S1-010308 (R99), S1-010309 (REL-4)
Other comments:		

***** Modified Section *****

18.6 Closed User Group (CUG)

~~The CSE shall decide whether to invoke the CUG supplementary service and shall perform the necessary processing for a Mobile Originated, Mobile Terminated or Forwarded call.~~ When a terminating call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

- If the called subscriber subscribes to CUG then the IPLMN shall release the call to the calling party;
- If the called subscriber does not subscribe to CUG then the IPLMN shall continue the call establishment to the modified called party number.

For an MO call, an MF call, or an MT call subject to CAMEL forwarding, with CUG information, the CSE shall be able to instruct the VPLMN/IPLMN to:

- Continue the call establishment with the original CUG information, or
- Use modified CUG information for that call, or
- Remove CUG information from the call (i.e. continue the call as a non-CUG call).

For an MT call which is not subject to CAMEL forwarding, the CSE shall not be able to modify the CUG information for the call.

When an MT call with CUG information is received for a CAMEL marked subscriber, if the terminating CAMEL based service attempts to modify the called party number then:

- If the called subscriber subscribes to CUG then the VPLMN shall release the call to the calling party;
- If the called subscriber does not subscribe to CUG then the VPLMN shall continue the call establishment to the destination defined by the modified called party number.

***** End of Document *****