

**Source:** TSG SA1  
**Title:** Interaction of ASCI services with CCBS service  
**Document for:** Approval  
**Agenda Item:** 5.1.4

Status	Spec	CR	Rev	Phase	Subject	CAT	Vers	New Vers	TSG Meeting	TSG Doc.No.	Pres
	02.68	A001		R99	Interaction with CCBS service	F	8.0.0	8.1.0	S1 #6	S1-991040	No
	02.69	A001		R99	Clarification of interaction with CCBS service	F	8.0.0	8.1.0	S1 #6	S1-991041	No
	22.004	002		R99	Clarification of the applicability of CCBS service to TS91/92	F	3.0.1	3.1.0	S1#06	S1-991042	No

**TSG-SA Working Group 1 meeting #6**  
**San Diego, USA, 29<sup>th</sup> Nov. – 3<sup>rd</sup> Dec. 1999**

**TSG S1 (99)1040**  
 Agenda: 5.4

<b>CHANGE REQUEST No :</b>		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
Technical Specification GSM	02.68	Version: <span style="background-color: #ffffcc;">8.0.0</span>
Submitted to SA <span style="background-color: #ffffcc;">1</span> <small>list SMG plenary meeting no. here ↑</small>	for approval <input checked="" type="checkbox"/> for information <input type="checkbox"/>	without presentation ("non-strategic") <input type="checkbox"/> with presentation ("strategic") <input type="checkbox"/>
<i>PT SMG CR cover form is available from: <a href="http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip">http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip</a></i>		

**Proposed change affects:** SIM  ME  Network   
(at least one should be marked with an X)

**Work item:** ASCI

**Source:** TSG SA1 **Date:** 04.10.99

**Subject:** Interaction with CCBS service

<b>Category:</b>	F Correction <input checked="" type="checkbox"/> A Corresponds to a correction in an earlier release <input type="checkbox"/> B Addition of feature <input type="checkbox"/> C Functional modification of feature <input type="checkbox"/> D Editorial modification <input type="checkbox"/>	<b>Release:</b>	Phase 2 <input type="checkbox"/> Release 96 <input type="checkbox"/> Release 97 <input type="checkbox"/> Release 98 <input type="checkbox"/> Release 99 <input checked="" type="checkbox"/>
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(one category and one release only shall be marked with an X)

**Reason for change:** Introduce a sub-clause for interaction with CCBS supplementary service.

**Clauses affected:** 7.23

<b>Other specs affected:</b>	Other releases of same spec <input type="checkbox"/> → List of CRs: Other core specifications <input type="checkbox"/> → List of CRs: <span style="background-color: #ffffcc;">02.04, 02.69</span> MS test specifications / TBRs <input type="checkbox"/> → List of CRs: BSS test specifications <input type="checkbox"/> → List of CRs: O&M specifications <input type="checkbox"/> → List of CRs:
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**Other comments:**

## 7 Interaction with other GSM services

### 7.1 Calling Line Identification Presentation (CLIP)

If CLIP is applied, the group call reference - including the group call area ID and the group ID - shall be presented to the dispatchers. In addition the subaddress field of the calling party may be used to identify the calling subscriber to the dispatchers.

The receiving mobile stations of the destination service subscribers shall display the paged group ID regardless the destination service subscribers have a subscription to CLIP.

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⋮

### **7.23 Completion of Calls to Busy Subscribers (CCBS)**

The CCBS supplementary service is only applicable for dispatchers and not for VGCS service subscribers.

If a new terminating p-t-p call is set up to a dispatcher who is busy because of an active VGCS call, it shall ~~be~~ possible to allow the calling party to apply the CCBS service. If the dispatcher initiates a VGCS call and the called group ID has been active, then the dispatcher shall ~~be~~ connected to the ongoing VGCS call.

<b>TSG-SA Working Group 1 meeting #6</b> <b>San Diego, USA, 29<sup>th</sup> Nov. – 3<sup>rd</sup> Dec. 1999</b>	<b>TSG S1 (99)1041</b> Agenda: 5.4
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<b>CHANGE REQUEST No :</b> <span style="background-color: yellow;">A001</span>	<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
Technical Specification GSM <span style="background-color: yellow;">02.69</span>	Version: <span style="background-color: yellow;">8.0.0</span>
Submitted to SA <span style="background-color: yellow;">1</span> for approval <input type="checkbox"/> <i>list SMG plenary meeting no. here ↑</i>	without presentation ("non-strategic") <input type="checkbox"/> for information <input type="checkbox"/> with presentation ("strategic") <input type="checkbox"/>
<small>PT SMG CR cover form is available from: <a href="http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip">http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip</a></small>	

**Proposed change affects:** SIM  ME  Network   
*(at least one should be marked with an X)*

**Work item:** ASCI

**Source:** TSG SA1 **Date:** 04.10.99

**Subject:** Clarification of interaction with CCBS service

<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 type="checkbox"/> C Functional modification of feature <input type="checkbox"/> Release 98 <input type="checkbox"/> D Editorial modification <input type="checkbox"/> Release 99 <input checked="" type="checkbox"/>
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(one category and one release only shall be marked with an X)

**Reason for change:** Introduce a sub-clause for interaction with CCBS supplementary service.

**Clauses affected:** 7.23

<b>Other specs affected:</b>	Other releases of same spec <input type="checkbox"/> → List of CRs: Other core specifications <input type="checkbox"/> → List of CRs: <span style="background-color: yellow;">02.04, 02.69</span> MS test specifications / TBRs <input type="checkbox"/> → List of CRs: BSS test specifications <input type="checkbox"/> → List of CRs: O&M specifications <input type="checkbox"/> → List of CRs:
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**Other comments:**

## 7 Interaction with GSM services and features

### 7.1 Calling Line Identification Presentation (CLIP)

If CLIP is applied, the broadcast call reference - including the group call area ID and the group ID - shall be presented to the dispatchers. In addition the subaddress field of the calling party may be used to identify the calling subscriber to the dispatchers.

The receiving mobile stations of the destination subscribers shall display the paged group ID regardless the destination subscribers have a subscription to CLIP.

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### **7.23 Completion of Calls to Busy Subscribers (CCBS)**

The CCBS supplementary service is only applicable for dispatchers and not for VBS service subscribers.

If a new terminating p-t-p call is set up to a dispatcher who is busy because of an active VBS call, it shall ~~not~~ be possible to allow the calling party to apply the CCBS service. If the dispatcher initiates a VBS call and the called broadcast ID has been active, then the dispatcher shall ~~not~~ be connected to the ongoing VBS call.

**CHANGE REQUEST**

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

**22.004 CR 002**

Current Version: **3.0.1**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG SA 1**  
*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: <http://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:** TSG SA1 **Date:** 24<sup>th</sup> Nov. 99

**Subject:** Applicability of CCBS to TS91/TS92

**Work item:** ASCI

**Category:** F Correction  **Release:** Phase 2   
 A Corresponds to a correction in an earlier release  Release 96   
 B Addition of feature  Release 97   
 C Functional modification of feature  Release 98   
 D Editorial modification  Release 99   
 Release 00   
*(only one category shall be marked with an X)*

**Reason for change:** Clarification of the applicability of CCBS service to TS91/92.

**Clauses affected:** Annex A (normative)

**Other specs affected:** Other 3G core specifications  → List of CRs:  
 Other GSM core specifications  → List of CRs:  
 MS test specifications  → List of CRs:  
 BSS test specifications  → List of CRs:  
 O&M specifications  → List of CRs:

**Other comments:**



help.doc

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

**Annex**

**A**

**Applicability of Supplementary Services to Telecommunication Services**

**(normative):**

Table A.1 gives the applicability of Supplementary Services to telecommunication services.

Table A.1/TS 22.004: Applicability of SSs to telecommunication services

SS	Telephony TS11	Emergency Call		SMS PTP		SMS-CB TS 23	Fax TS 6x	cct Data		GPRS BS 70	Voice Group Services	
		TS12	Yes <sup>g</sup>	TS21	TS22			BS2x, BS3x	BS 70		TS 91	TS 92
eMLPP	Yes						Yes	Yes			Yes	Yes
CD	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
CLIP	Yes						Yes	Yes			Yes	Yes
CLIR	Yes						Yes	Yes			Yes	Yes
COLP	Yes						Yes	Yes			Yes	Yes
COLR	Yes						Yes	Yes			Yes	Yes
CFU	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
CFB	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
CFNRY	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
CFNRC	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
CW <sup>1</sup>	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
HOLD <sup>2</sup>	Yes										Yes <sup>b</sup>	Yes <sup>b</sup>
MPTY	Yes										Yes <sup>b</sup>	Yes <sup>b</sup>
CLUG	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
AoCI	Yes						Yes	Yes			Yes	Yes
AoCC	Yes						Yes	Yes			Yes	Yes
UUS	Yes						Yes	Yes			Yes	Yes
BAOC	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
BOIC	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
BOIC-exHC	Yes						Yes	Yes			Yes <sup>b</sup>	Yes <sup>b</sup>
BIC	Yes						Yes	Yes <sup>3</sup>			Yes <sup>b</sup>	Yes <sup>b</sup>
BIC-Roam	Yes						Yes	Yes <sup>3</sup>			Yes <sup>b</sup>	Yes <sup>b</sup>
ECT	Yes										Yes <sup>b</sup>	Yes <sup>b</sup>
CCBS	Yes						Yes	Yes			Yes <sup>LUG</sup>	Yes <sup>LUG</sup>
SPNP	Yes						Yes	Yes				
CNAP	Yes										Yes <sup>3</sup>	Yes <sup>3</sup>
MSP	Yes						Yes	Yes			Yes	Yes



- NOTE 1: The applicability of Call Waiting refers to the telecommunication service of the active call and not of the waiting call. The incoming, waiting, call may be of any kind.
- NOTE 2: If the served mobile subscriber has a call on hold, she may set up another call using the same or a different telecommunication service.
- NOTE 3: The SS is applicable, but generally will not be invoked.
- NOTE 4: For the purposes of applicability of supplementary services, the Alternate speech/unrestricted data (BS61) and speech followed by data (BS81) belong to the BS-group of the equivalent data service.
- NOTE 5: Both the SMS service centre and the mobile destination can be reached by PNP numbers.
- NOTE 6: The SS is only applicable for dispatchers. For service subscribers the service is not applicable. More detailed description see TS 22.068 and TS 02.069.
- NOTE 7: The interaction of VBS and VGCS with UUS is not defined yet in the protocol (TS 24.068 and TS 24.069).
- NOTE 8: Applicability of SMS PTP to CNAP is for further study.
- NOTE 9: The network shall apply a specific or the default priority level to emergency calls. There is no possibility to change this priority by the subscriber. Pre-emption of an on-going emergency call is not possible.
- NOTE 10: The CCBS supplementary service is only applicable for dispatchers. If a new terminating p-t-p call is set up to a dispatcher who is busy because of an active VGCS/VBS call, it should be possible to allow the calling subscriber to apply the CCBS service. If the dispatcher initiates a VGCS/VBS call and the called group/broadcast ID has been active, then the dispatcher should be connected to the ongoing VGCS/VBS call. For VGCS/VBS call to busy dispatcher, the CCBS is not applicable. For a detailed description see ~~TS 22.069~~ TS 22.068 and ~~TS 22.069~~ GSM 02.69.

## Annex A: Change history

Change history						
TSG SA#	Spec	Version	CR	<Phase>	New Version	Subject/Comment
Jun 1999	GSM 02.04	8.1.0				Transferred to 3GPP SA1
SA#04	22.004				3.0.0	
SA#05	22.004	3.0.0	001		3.0.1	Editorial update for transfer to 3GPP

### History

Document history		
V3.0.0	July 1999	Transferred to TSG SA at ETSI SMG#29. Under TSG TSG SA Change Control.
V.3.0.1	October 1999	CRs approved at SA #5