
Source: SA1
Title: CRs to 22.004 on SS applicabilities to Voice Group Services (Rel-4/Rel-5)
Document for: Approval
Agenda Item: 7.1.3

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-24	SP-040283	22.004	010	-	Rel-4	F	Modification of table A1 required to remove wrong SS applicabilities to VG Services	4.2.0	4.3.0	S1-040498
SP-24	SP-040283	22.004	011	-	Rel-5	A	Modification of table A1 required to remove wrong SS applicabilities to VG Services	5.0.0	5.1.0	S1-040499

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CHANGE REQUEST

⌘ **22.004 CR 010** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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

Title:	⌘ Modification of table A1 required to remove wrong SS applicabilities to VG Services		
Source:	⌘ SA1 (Siemens)		
Work item code:	⌘ TEI 4	Date:	⌘ 10/05/2004
Category:	⌘ F	Release:	⌘ Rel-4
	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:	⌘ Table A.1 - "Applicability of SSs to telecommunication services" incorrectly lists several supplementary services as having applicability to Voice Group Services. Specifically, the following supplementary services are shown to have applicability to Voice Group Services: <ul style="list-style-type: none"> • CD • CLIP • CLIR • COLP • COLR • UUS • CFU • CFB • CFNRy • CFNRc • CW • HOLD • MPTY • CUG • BAOC • BOIC • BOIC-exHC • BIC • BIC-Roam
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	<ul style="list-style-type: none"> ECT <p>These interactions are qualified with Note 6, which states, "The SS is only applicable for dispatchers. For service subscribers the service is not applicable. More detailed descriptions see 3GPP TS 24.068 and 3GPP TS 24.069."</p> <p>This is incorrect for the following reasons: Dispatchers in a VBS/VGCS call do not use the VBS/VGCS teleservice. <u>Only VBS/VGCS service subscribers use VBS/VGCS teleservice.</u></p> <p>Dispatchers for VBS/VGCS calls are generic telephony users, and can be defined as PABX, ISUP trunks, or any other type of user. In the event a dispatcher is a GSM subscriber, the VBS/VGCS call will be originated by or terminated to that subscriber using TELEPHONY teleservice only, as described in 24.008. The VBS/VGCS teleservices as defined in 44.068 and 44.069 do not govern origination/termination protocols of dispatchers.</p> <p>Since the SS in question only apply to dispatchers, and since dispatchers use only TELEPHONY teleservice, then it is actually not correct to list interactions for these SS in the Voice Group Services column of the table. The interactions listed in the Telephony column are sufficient.</p>
Summary of change:	⌘ In table A1 the applicability of these SS to TS 91 and 92 is removed
Consequences if not approved:	⌘ HLR and VLR producers, in order to be specs compliant, needlessly design subscriber databases to allow provisioning for these invalid SS interactions with Voice Group Services (for example, CFU and Voice Broadcast Service). The end consequence is wasted design effort for the equipment producer, and wasted capacity and computing resources for the service providers.

Clauses affected:	⌘ Annex A (normative)												
Other specs affected:	<table border="1"> <thead> <tr> <th>Y</th> <th>N</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>Other core specifications</td> </tr> <tr> <td></td> <td>X</td> <td>Test specifications</td> </tr> <tr> <td></td> <td>X</td> <td>O&M Specifications</td> </tr> </tbody> </table>	Y	N			X	Other core specifications		X	Test specifications		X	O&M Specifications
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Other comments:	⌘ This CR has been checked by ETSI EPRT												

Annex A (normative): Applicability of Supplementary Services to Telecommunication Services

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	Emergency Call	SMS PTP		SMS-CB	Fax	cct Data	GPRS	Voice Group Services	
	TS11	TS12	TS21	TS22	TS 23	TS 6x	BS2x, BS3x	BS 70	TS 91	TS 92
eMLPP	Yes	Yes ⁹				Yes	Yes		Yes	Yes
CD	Yes					Yes	Yes		Yes ⁶	Yes ⁶
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 ⁶	Yes ⁶
CFB	Yes					Yes	Yes		Yes ⁶	Yes ⁶
CFNRy	Yes					Yes	Yes		Yes ⁶	Yes ⁶
CFNRc	Yes					Yes	Yes		Yes ⁶	Yes ⁶
CW ¹	Yes					Yes	Yes		Yes ⁶	Yes ⁶
HOLD ²	Yes								Yes ⁶	Yes ⁶
MPTY	Yes								Yes ⁶	Yes ⁶
CUG	Yes					Yes	Yes		Yes ⁶	Yes ⁶
AoCI	Yes					Yes	Yes			Yes
AoCC	Yes					Yes	Yes			Yes
UUS	Yes					Yes	Yes		z	z
BAOC	Yes		Yes ³	Yes		Yes	Yes		Yes ⁶	Yes ⁶
BOIC	Yes		Yes ³	Yes		Yes	Yes		Yes ⁶	Yes ⁶
BOIC-exHC	Yes		Yes ³	Yes		Yes	Yes		Yes ⁶	Yes ⁶
BIC	Yes		Yes	Yes ³		Yes	Yes		Yes ⁶	Yes ⁶
BIC-Roam	Yes		Yes	Yes ³		Yes	Yes		Yes ⁶	Yes ⁶
ECT	Yes								Yes ⁶	Yes ⁶
CCBS	Yes					Yes	Yes		Yes ¹⁰	Yes ¹⁰
SPNP	Yes		Yes ⁵	Yes ⁵		Yes	Yes			
CNAP	Yes								Yes ³	Yes ³
MSP	Yes		Yes	Yes		Yes	Yes		Yes	Yes
MC	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: ~~Void. The SS is only applicable for dispatchers. For service subscribers the service is not applicable. More detailed description see 3GPP TS 42.068 [26] and 3GPP TS 42.069 [27].~~
- NOTE 7: ~~Void. 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 3GPP TS 42.068 [26] and 3GPP TS 42.069 [27].

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CHANGE REQUEST

⌘ **22.004 CR 011** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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

Title:	⌘ Modification of table A1 required to remove wrong SS applicabilities to VG Services		
Source:	⌘ SA1 (Siemens)		
Work item code:	⌘ TEI 5	Date:	⌘ 10/05/2004
Category:	⌘ A	Release:	⌘ Rel-5
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