Technical Specification Group Services and System Aspects Meeting #14, Kyoto, Japan, 17-20 December 2001

Source:	SA1
Title:	CRs to 22.129 R99, Rel-4 and Rel-5 on Multicall handover requirements
Document for:	Approval
Agenda Item:	7.1.3

Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Vers	Vers New	Doc-2nd- Level
SP-010670	22.129	023		R99	F	Multicall handover requirements	3.5.0	3.6.0	1287
SP-010670	22.129	024		Rel4	A	Multicall handover requirements	4.3.0	4.4.0	1288
SP-010670	22.129	025		Rel5	A	Multicall handover requirements	5.0.0	5.1.0	1289

CR-Form-v4													
x	<mark>22.</mark> ′	129		CR	023	ж	ev	-	ж	Current ve	rsion:	3.5.0	æ
For <u>HELP</u>	on u	sing tl	nis for	m, see l	bottom of	this pa	ge oi	look	at th	e pop-up tex	ct ove	r the X sy	mbols.
Proposed chai	nge a	offects	s: #	(U)SI	M	ME/UE		Rad	lio Ac	ccess Netwo	ork	Core N	letwork X
Title:	ж	Bea	rer se	lection c	riteria of	calls in	a mu	ulticall					
Source:	ж	SA1											
Work item cod	le: ೫	Mult	icall							Date:	₩ <mark>09</mark>	/11/01	
Category:		F A E C Detail	(corr (corr (add (func (func (edit ed exp	ection) responds lition of fe ctional m orial mod lanations	ving categ to a corre eature), odificatior dification) s of the at 21.900.	ection in n of featu	ıre)			2	of the f (GS (Rei (Rei (Rei (Rei (Rei	99 following re M Phase 2 lease 1996 lease 1997 lease 1998 lease 1999 lease 4) lease 5))))
		 	hand 5.4 <i>it shall</i> <i>is not a</i> <i>ire har</i> <i>Calls ti</i> <i>f no s</i> <i>rejected</i> CN1 stage discu In a r - to h d	be possible to added over i. ii. iii. iii. iii. hat cann single ca d. was not e 2 spect ssion, n hew atte o relax t andove epende o specifi	bearers b over of a commoda r shall be The cal The cal The cal the cal all can be able to a ification of or by a for mpt to ge he requir r; in case nt; and y in TS 23	a <i>Multic</i> a <i>Multic</i> a <i>dover a</i> ate all the selected all of teles and over e selected agree or of the ha ormal vo et a con ements a of Intra 3.009 th	ng to all ll the e call in fo servic other will h ed ac n a so ando ote. sister in T aUTR	the m calls i s in a llowin e eme e telep type be rele cordir olution ver pr nt set S 22.1 AN re	ultica in a n multi g ora rgenc chony eased ag to o imp oced of sp (29 s eloca RAB	nulticall confi icall configur ler: cy call y	igurat ation, criteria nese r .009) , it is r apply teria a and r	ion If the then the co a, handove requireme , neither b proposed: only to Inte are operate elocation	target cell alls that er shall be nts in the y erSystem or request a
Summary of cl	hang	e: #	р	riority le	vels is In	npleme	ntatic	n dep	ende	ent, under op	perato	or control.	
Consequences	s if	ж			v betwee (TS 23.0		quire	ment	s (TS	5 22.129) an	d the	stage 2	

Clauses affected:	¥ <mark>5.4</mark>
Other specs affected:	X Other core specifications % 23.009 Test specifications O&M Specifications 6
Other comments:	# This CR is a precondition for the acceptance of the CR to TS 23.009. SA1 believes there are no additional changes required by the other working groups.

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: <u>http://www.3gpp.org/3G_Specs/CRs.htm</u>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <u>ftp://ftp.3gpp.org/specs/</u> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.4 Handover of a Multicall

The handover event can trigger changes to individual calls in any multicall scenario.

It shall be possible to handover all the calls in a multicall configuration.

If the target system is UTRAN and the target cell is not able to accommodate all the calls in a multicall configuration, then the calls that are handed over are selected according to operator preferences.

It shall be possible to handover all the calls in a multicall configuration... If the target-system is GERANeell is not able to accommodate all the calls in a multicall configuration, then the calls that is are handed over shall be selected in following order:

- i. The call of teleservice emergency call
- ii. The call of teleservice telephony
- <u>iii.</u> The calls of any other type <u>according to operator preferences.</u>
- Calls that cannot be handed over will be released.

If no single call can be selected according to the above criteria, handover shall be rejected.

A change in the availability of suitable radio resources may also occur for other reasons in addition to handover.

	CR-Form-v4
^ж 22.	29 CR 024 [#] ev _ [#] Current version: 4.3.0 [#]
For <mark>HELP</mark> on u	ng this form, see bottom of this page or look at the pop-up text over the $#$ symbols.
Proposed change	fects: # (U)SIM ME/UE Radio Access Network Core Network X
Title: ೫	Bearer selection criteria of calls in a multicall
Source: ೫	SA1
Work item code: ℜ	Multicall Date: ೫ 09/11/01
Category: ₩	A Release: # REL-4 Ise one of the following categories: Use one of the following releases: 2 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) Vetailed explanations of the above categories can REL-4 (Release 4) e found in 3GPP TR 21.900. REL-5 (Release 5)
	 shall be used in case of handover of a multicall when it is not be possible to handover all bearers belonging to the multicall: 5.4 Handover of a Multicall It shall be possible to handover all the calls in a multicall configuration If the target cell is not able to accommodate all the calls in a multicall configuration, then the calls that are handed over shall be selected in following order: i. The call of teleservice emergency call ii. The call of teleservice telephony iii. The call of any other type Calls that cannot be handed over will be released. If no single call can be selected according to the above criteria, handover shall be rejected. CN1 was not able to agree on a solution implementing these requirements in the stage 2 specification of the handover procedures (TS 23.009), neither by discussion, nor by a formal vote. In a new attempt to get a consistent set of specifications, it is proposed: to relax the requirements in TS 22.129 so that they apply only to InterSystem handover; in case of IntraUTRAN relocations the criteria are operator dependent; and to specify in TS 23.009 that during RAB assignment and relocation request a 3G_MSC-A supporting multicall may assign priorities. The management of priority levels is Implementation dependent, under operator control.
Summary of chang	
Consequences if not approved:	Inconsistency between the requirements (TS 22.129) and the stage 2 specification (TS 23.009).

Clauses affected:	¥ <mark>5.4</mark>
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Other comments:	# This CR is a precondition for the acceptance of the CR to TS 23.009. SA1 believes there are no additional changes required by the other working groups.

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CHANGE REQUEST											
^ж 22.	129	CR	025	ж	ev	-	ж	Current vers	sion:	5.0.0	Ħ
For <u>HELP</u> on ι	using th	nis form, see l	bottom of tl	his pag	e or	look	at the	e pop-up text	t over	the X syn	nbols.
Proposed change	affects	s:	M	1E/UE		Rad	io Ac	cess Networ	'k	Core Ne	etwork X
Title: ೫	Bear	er selection o	riteria of ca	alls in a	a mul	ticall					
Source: #	SA1										
Work item code: भ	Mult	icall						Date: ೫	11	.09.01	
Category: ₩	Use <u>o</u> F A B D Detaile	ne of the follow (correction) (corresponds (addition of fe (functional mo (editorial mo ed explanation nd in 3GPP TE	to a correct eature), odification c dification) s of the abo	tion in a of featur	re)			2	f the fo (GSI (Rela (Rela (Rela (Rela (Rela	EL-5 Dilowing rele M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5)	eases:
	1 i c (1	t shall be poss s not able to ac ire handed ove i. iii. iii. Calls that cann f no single ca rejected. CN1 was not stage 2 spec discussion, n In a new atte - to relax t handove depende - to specifi	bearers be over of a h ible to hand commodate r shall be se The call of The call of The call of the call of the call of able to aq ification of or by a form mpt to get he requirer r; in case of nt; and y in TS 23.0	longing <i>Multice</i> over all e all the elected of teless of any o d over y selected ree on the ha mal vo a cons ments i of Intral	a to the calls in follervice ervice other to will be d acc a sol ndove te. sisten in TS UTRA	he m calls i in a lowin e emer type e rele cordin lution er pro t set 22.1 AN re	ultica n a n multi g ord rgenc bhony assed. a imp oced of sp 29 s loca	all: nulticall config call configura ler: ty call the above cr lementing the ures (TS 23.0	guration, i tion, i riteria ese re 009), it is p oply c eria a and re	on If the ta then the cal a, handover equiremen neither by proposed: only to Inte re operato elocation re	arget cell Is that shall be ts in the rSystem r
Summary of chang	ye:ж	priority it				. dop	Shut	ent, under op	5,010	. control.	
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