
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

CHANGE REQUEST

⌘ **22.129** CR **023** ⌘ ev **-** ⌘ Current version: **3.5.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

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

Title:	⌘ Bearer selection criteria of calls in a multical				
Source:	⌘ SA1				
Work item code:	⌘ Multicall	Date:	⌘ 09/11/01		
Category:	⌘ F	Release:	⌘ R99		
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:		
	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)		
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		REL-4 (Release 4)		
			REL-5 (Release 5)		

Reason for change:	⌘	<p>The current version of TS 22.129 specifies selection criteria for the network which shall be used in case of handover of a multical when it is not be possible to handover all bearers belonging to the multical:</p> <p>5.4 Handover of a Multicall</p> <p>...</p> <p><i>It shall be possible to handover all the calls in a multical configuration.. If the target cell is not able to accommodate all the calls in a multical configuration, then the calls that are handed over shall be selected in following order:</i></p> <ol style="list-style-type: none"> i. <i>The call of teleservice emergency call</i> ii. <i>The call of teleservice telephony</i> iii. <i>The call of any other type</i> <p><i>Calls that cannot be handed over will be released.</i></p> <p><i>If no single call can be selected according to the above criteria, handover shall be rejected.</i></p> <p>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.</p> <p>In a new attempt to get a consistent set of specifications, it is proposed:</p> <ul style="list-style-type: none"> - 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 multical may assign priorities. The management of priority levels is Implementation dependent, under operator control.
Summary of change:	⌘	
Consequences if not approved:	⌘	Inconsistency between the requirements (TS 22.129) and the stage 2 specification (TS 23.009).

Clauses affected:	⌘	5.4	
Other specs affected:	⌘	<input checked="" type="checkbox"/> Other core specifications	⌘ 23.009
		<input type="checkbox"/> Test specifications	
		<input type="checkbox"/> O&M Specifications	
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: http://www.3gpp.org/3G_Specs/CRs.htm. 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 <ftp://ftp.3gpp.org/specs/>. 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 GERAN cell 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
- iii. The calls of any other type according to operator preferences.

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

CHANGE REQUEST

⌘ **22.129** **CR** **024** ⌘ ev **-** ⌘ Current version: **4.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

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

Title:	⌘ Bearer selection criteria of calls in a multical		
Source:	⌘ SA1		
Work item code:	⌘ Multicall	Date:	⌘ 09/11/01
Category:	⌘ A	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)

Reason for change:	⌘ The current version of TS 22.129 specifies selection criteria for the network which shall be used in case of handover of a multical when it is not be possible to handover all bearers belonging to the multical: 5.4 Handover of a Multicall ... <i>It shall be possible to handover all the calls in a multical configuration.. If the target cell is not able to accommodate all the calls in a multical configuration, then the calls that are handed over shall be selected in following order:</i> 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 multical may assign priorities. The management of priority levels is Implementation dependent, under operator control.
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Other specs affected:	⌘	<input checked="" type="checkbox"/> Other core specifications	⌘ 23.009
		<input type="checkbox"/> Test specifications	
		<input type="checkbox"/> O&M Specifications	
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CR-Form-v4

CHANGE REQUEST

⌘ **22.129** CR **025** ⌘ ev **-** ⌘ Current version: **5.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

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

Title:	⌘ Bearer selection criteria of calls in a multical				
Source:	⌘ SA1				
Work item code:	⌘ Multicall	Date:	⌘ 11.09.01		
Category:	⌘ A	Release:	⌘ REL-5		
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:		
	F (correction)		2 (GSM Phase 2)		
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)		
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	C (functional modification of feature)		R98 (Release 1998)		
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