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**Source:** SA1  
**Title:** Rel-5 CR to TS 22.129 on access rights in connected mode  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020250	22.129	026		Rel-5	F	CR to TS 22.129 on access rights in connected mode	5.1.0	5.2.0	S1-021093

CR-Form-v5.1

## CHANGE REQUEST

⌘ **22.129** CR **026** ⌘ rev **-** ⌘ Current version: **5.1.0** ⌘

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

<b>Title:</b>	⌘ Prevention of handover at lack of access rights		
<b>Source:</b>	⌘ SA1		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 14 <sup>th</sup> May 2002
<b>Category:</b>	⌘ <b>F</b> 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 <a href="http://www.3gpp.org/ftp/Specs/3GPP%20TS%2021.900">TR 21.900</a> .	<b>Release:</b>	⌘ REL-5 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)

<b>Reason for change:</b>	⌘ To be able to prevent handover to cells to which the UE does not have access rights.
<b>Summary of change:</b>	⌘ Relevant text added as a new section.
<b>Consequences if not approved:</b>	⌘ Calls might be handed over to cells to which the UE does not have access rights.

<b>Clauses affected:</b>	⌘ New section 5.6
<b>Other specs affected:</b>	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ 23.009 23.221 25.401 25.413 25.423 <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘ The work in CN1, RAN3 and SA2 is expected to be completed in time for the June 2002 TSG plenaries. Connected to the RAN3 WI "Shared Network support in Connected Mode".

### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.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/](http://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.

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## 5 Requirements for Handover

### 5.1 Handover due to UE Movement

It should be possible to provide a technical implementation of handover such that there is no measurable impact on the quality of any service when handover due to UE movement occurs. This does not imply that all handovers will achieve this ideal. However, the specifications shall define at least one UTRA radio access mode in which this is possible given the following:

- UE speed stays within limits for given service;
- UE stays constantly within UTRA coverage of a single UTRAN.

When there is handover to a new cell with different radio conditions and if a PS sessions is unable to maintain the required quality of service, the QoS of the sessions may be modified to lower quality to continue communication.

### 5.3 Handover between Radio Access Modes

The specifications shall permit a technical implementation of handover between radio access modes, although there may be a temporary degradation of QoS on bearer services at the time of handover.

### 5.4 Cell capacity

Consideration must be given services such as multimedia, which may involve use of multiple bearers. Due for example to cell loading, it may happen that a target cell cannot support the combination of bearer services provided by the current serving cell. Although all bearer services may not be handed over, the handover to another cell should not be precluded.

### 5.5 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. If the target system is GERAN, then the call that is 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 according to operator preferences.

Calls that cannot be handed over will be released.

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

### 5.6 Access Rights

It shall be possible to prevent handover to cells to which the UE does not have access rights. In this case, a handover to allowed cells shall be attempted. For this release this requirement only applies for UTRAN to UTRAN and UTRAN to GERAN handover in both A/Gb and Iu mode.