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**Source:** SA1  
**Title:** Rel CR to 22.105 GERAN lu mode related updates  
**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-020248	22.105	036		Rel-5	F	CR to 22.105 GERAN lu mode related updates	5.1.0	5.2.0	S1-020887

CR-Form-v4

## CHANGE REQUEST

⌘ **22.105** CR **036** ⌘ ev **-** ⌘ 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>	⌘ Introducing GERAN lu mode service requirements		
<b>Source:</b>	⌘ SA1		
<b>Work item code:</b>	⌘ T.E.I.5	<b>Date:</b>	⌘ 11.05.2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">IR 21.900</a> .		REL-4 (Release 4)
			REL-5 (Release 5)

<b>Reason for change:</b>	⌘ Clarification to support on GERAN lu mode on access dependent services.
<b>Summary of change:</b>	⌘ Service requirements (restrictions) introduced for GERAN lu mode.
<b>Consequences if not approved:</b>	⌘ Unclear requirements.

<b>Clauses affected:</b>	⌘ 10
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘ Topic clarified with relevant other WGs.

### 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](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.

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## 10 Access dependent services and features

This section describes the features that will be dependent on the mode of radio access.

In general different access networks provide different capabilities with different QoS.

- Multicall, as specified in 3GPP TS 22.135 [11], is supported only via UTRAN.
- Packet switched traffic using GPRS over GERAN will have a maximum rate in the order of 384kb/sec.
- Packet switched traffic using UTRAN will have a maximum rate in the order of 2Mb/sec.
- Packet switched traffic using HSDPA provides very high speed downlink packet access over the air interface supporting streaming, interactive and background packet data services etc. HSDPA will support packet data services in urban environments and indoor environments. However HSDPA service support is not be limited to these environments. HSDPA will be optimised at speeds typical of urban environments but shall apply at other speeds also. Full mobility will be supported, i.e., mobility should be supported for high-speed cases also, but optimisation should be for low-speed to medium-speed scenarios.
- ASCI teleservices, 3GPP TS 22.003 [3] are only available in GERAN A/Gb mode of operation.
- SoLSA feature is only available in GERAN A/Gb mode of operation.
- The accuracy of the determination of location may differ between the various access technologies.
- At GERAN reception of CBS messages for a UE is not supported if it is connected in the CS domain or in the PS domain when data is currently transmitted.
- Transparent (T) mode of facsimile , as specified in 3GPP TS 22.003 [3], is only supported by GERAN A/Gb mode of operation.
- Non-transparent (NT) mode of facsimile, as specified in 3GPP TS 22.003 [3], is only supported by UTRAN.
- There are some differences at data rates and interworking scenarios between GERAN and UTRAN support of circuit bearer services . For further details see 3GPP TS 22.002 [2].