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**Source:** SA1  
**Title:** Rel-4/Rel-5 to 22.060 on Removal of 'Erasure'  
**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-020241	22.060	026		Rel-4	F	Removal of 'Erasure' from TS22.060 (Rel-4)	4.3.0	4.4.0	S1-020988
SP-020241	22.060	027		Rel-5	A	Removal of 'Erasure' from TS22.060 (Rel-5)	5.1.0	5.2.0	S1-020989

CR-Form-v5.1

## CHANGE REQUEST

⌘ **22.060 CR 026** ⌘ rev **-** ⌘ 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

<b>Title:</b>	⌘ Removal of Erasure		
<b>Source:</b>	⌘ SA1		
<b>Work item code:</b>	⌘ CORRECT	<b>Date:</b>	⌘ 8 May 2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)	<b>2</b> (GSM Phase 2)	
	<b>A</b> (corresponds to a correction in an earlier release)	<b>R96</b> (Release 1996)	
	<b>B</b> (addition of feature),	<b>R97</b> (Release 1997)	
	<b>C</b> (functional modification of feature)	<b>R98</b> (Release 1998)	
	<b>D</b> (editorial modification)	<b>R99</b> (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP <a href="http://www.3gpp.org/ftp/Specs/3GPP/22/22.060/22-060-026.htm">TR 21.900</a> .	<b>REL-4</b> (Release 4)	<b>REL-5</b> (Release 5)

<b>Reason for change:</b>	⌘ The Erasure feature does not exist in the GPRS Stage 2 and Stage 3
<b>Summary of change:</b>	⌘ Removal of references and text relating to non existent feature
<b>Consequences if not approved:</b>	⌘ Stage 1 will refer to a feature that does not exist

<b>Clauses affected:</b>	⌘ 7.1, 7.4, 7.5, 7.10, 8.4		
<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>	⌘		

### 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.
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- 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.

## First Modified Section

# 7 Normal procedures with successful outcome

## 7.1 Provision

The GPRS services shall be provided to the subscriber after prior arrangement with the service provider. The provision of each of the following GPRS services independently or any combination thereof shall be possible:

- 1) Point To Point - Connectionless Network Service (PTP-CLNS);
- 2) Point To Multipoint (PTM).

It shall be possible to subscribe to GPRS services with or without subscription to other services.

It shall be possible for the network operator to offer GPRS to the Service Provider(s) who may then offer GPRS-based services to the end-user.

GPRS services can be offered to a subscriber with the subscription option of using a password to control the services. A single GPRS-password per subscriber is supported by the network for all GPRS services.

As a subscription option modification of the subscriber's service profile (e.g., registration, ~~erasure~~) shall be possible only in conjunction with the GPRS-password.

The following Quality of Service (QoS) parameters shall be assigned to the subscriber profile upon provision of the GPRS service(s). These parameters may be negotiated or set to default values:

- service precedence (priority),
- reliability,
- delay,
- user data throughput.
- scheduled repeated transmission.

## Next Modified Section

## 7.4 Registration

Registration of the service parameters shall enable the subscriber to optimize the actual (dynamic) service profile to the subscriber's present, actual requirements within the limitations of the (static) subscription profile (see subclause 6.1). The result of the registration shall be indicated (i.e. accepted/registered or rejected/not registered). The registered service profile is valid for all GPRS transactions until modified by re-registration ~~or erasure~~ or changes to the subscription profile.

As a subscription option registration of the service parameters shall be possible only in conjunction with a GPRS-password.

It shall be possible for the user to activate connections to non-preconfigured external networks by using non-subscribed Access Point Names (APN's).

Table 7 defines which service parameters shall be able to be registered for the different GPRS services. The range of values for the service parameters is specified in subclause 5.6.

**Table 7: Registration of service parameters**

Service Parameter	PTP-CLNS	IP-M
Service precedence (priority)	2,3,4	2,3,4
Reliability	2,4	2,4
Throughput	2, 3, 4	2, 3, 4
Simultaneous use class	2	2
Delay	2, 4	2, 4
Security management / encryption	1	1
Interworking profile (a)	2	2
Password Active / De-active	2	2

Legend: 1 Network determined.

2 User determined per subscription and registration.

3 User determined per request.

4 Negotiable.

N/A Not applicable.

a) This is the set of subscription attributes (including a user-ID and/or address valid in the external data network if necessary) adopted by the subscriber when utilizing a particular destination network. A set of subscription attributes is required for each destination network. Multiple user-IDs and/or addresses for each destination network are allowed.

Registration of an identity other than the IMSI (i.e. a user-ID/address in an external data network, e.g. Internet, etc.) is performed to couple this identity to the IMSI for the purpose of accessing (MO and/or MT) the external data network. Registration of an identity other than the IMSI is subject to valid subscription agreements with the network operator. This also provides an effective operator determined barring of access to external data networks.

Each of the registered interworking profiles can be individually activated and de-activated.

Screening parameters can be assigned to a particular interworking profile as a user protection against unwanted costs and/or data.

**Next Modified Section**

~~7.5 Erasure~~

~~The subscriber shall be able to erase previously registered service parameter values from the service profile.~~

~~Erasure of a non-GSM identity (e.g., Internet) which is currently registered for an interworking profile shall be possible without erasure of the other parameters of the interworking profile.~~

~~As a subscription option erasure shall only be possible in conjunction with the GPRS password.~~

**Next Modified Section**

## 7.10 PIN and Password Management

GPRS-Attach shall only be possible after correct subscriber identification has been confirmed by entry of the current PIN if this option is active. Thus only one PIN is required to gain access to either the -Circuit Switched Services/SMS or the -GPRS Services or both.

GPRS services can be offered to a subscriber with the subscription option of using a password to control the services. One password per subscriber is supported by the network for all GPRS services. The GPRS password shall be the specified password for supplementary services according to 3GPP TS 22.004 [5] and 3GPP TS 22.030 [6].

When this option is selected the following actions shall only be performed with the concurrent entry of the password:

- registration, de-registration/~~erasure~~;

**Next Modified Section**

## ~~8.4 Erasure~~

~~An attempt to erase a service parameter which is not registered shall result in an indication to the user, the service parameter shall remain in the not registered state.~~

~~Erasure of a non-GSM identity (e.g., Internet) which is presently registered as "active" shall result in an indication to the user with a request for confirmation before the de-activation and erasure is performed.~~

**End of Document**

CR-Form-v5.1

## CHANGE REQUEST

⌘ **22.060** CR **027** ⌘ 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.

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	be found in 3GPP <a href="http://www.3gpp.org/ftp/Specs/3GPP/22/22.060/22.060-027.htm">TR 21.900</a> .	<b>REL-5</b>	(Release 5)

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<b>Next Modified Section</b>
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