

**Source:** SA1  
**Title:** CR to 02.71 on Deletion of reference to GSM 10.71  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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Spec	CR	Re	Phas	Subject	Cat	Versio	Versio
02.71	A003		R98	Deletion of reference to GSM 10.71	F	7.2.0	7.3.0

CR-Form-v3

## CHANGE REQUEST

⌘ **02.71** **CR** **A003** ⌘ rev **-** ⌘ Current version: **7.2.0** ⌘

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>	⌘ Deletion of reference to GSM 10.71		
<b>Source:</b>	⌘ SA1		
<b>Work item code:</b>	⌘	<b>Date:</b>	⌘ 06/02/2001
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R98
Use <u>one</u> of the following categories: <b>F</b> (essential correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (Addition of feature), <b>C</b> (Functional modification of feature) <b>D</b> (Editorial modification)		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)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900.			

<b>Reason for change:</b>	⌘ GSM 10.71 is not a published document, and therefore cannot be referenced in an ETSI publication
<b>Summary of change:</b>	⌘ Reference to 10.71 is deleted.
<b>Consequences if not approved:</b>	⌘ An incorrect reference may be made to 10.71 in a contractual agreement.

<b>Clauses affected:</b>	⌘ 1, 2	
<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>	⌘	

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# 1 Scope

The present document provides the Stage One description of Location Services (LCS) on Global System for Mobile communications (GSM) networks. A Stage One description provides an overall service description, primarily from the service subscriber's and user's points of view, but not dealing with the details of the Man Machine Interface (MMI). This GTS includes information applicable to network operators, service providers and terminal, base station system, switch and data base manufacturers.

NOTE: Location Services may be considered as a network provided enabling technology consisting of standardized service capabilities which enables the provision of location applications. This application may be service provider specific. The description of the numerous and varied possible location applications which are enabled by this technology are outside the scope of this specification. However, clarifying examples of how the functionality being specified may be used to provide specific location services is included in various sections of the specification.

The present document contains the core requirements for the LCS on GSM to an extent sufficient to derive a complete definition of the LCS at the service level. However, the present document also documents some additional requirements which may suggest in a non-normative manner certain ways the system may be implemented to support the LCS feature.

LCS can be offered without subscription to basic telecommunication services. LCS is available to the following categories of LCS clients:

Value Added Services LCS Clients – use LCS to support various value added services. These clients can include GSM MS subscribers as well as non-subscribers to other GSM services.

PLMN Operator LCS Clients – use LCS to enhance or support certain O&M related tasks, supplementary services, IN related services and GSM bearer services and teleservices.

Emergency Services LCS Clients – use LCS to enhance support for emergency calls from GSM subscribers.

Lawful Intercept LCS Clients – use LCS to support various legally required or sanctioned services.

LCS is applicable to any target MS whether or not the MS supports LCS, but with restrictions on choice of positioning method or notification of a location request to the MS user when LCS or individual positioning methods, respectively, are not supported by the MS.

NOTE: It is envisioned that the specification of Location Services will be accomplished in a series of phased releases. ~~These phases are described in GSM 10.71 [2]~~

LCS will be developed in phases. Phase 1 includes provision of the following:

LCS Phase 1. This is the initial default phase of LCS. It provides a generic flexible architecture capable of supporting all positioning methods. Specific support is provided for Time Of Arrival (TOA), Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) based positioning methods. Support is provided for emergency services, value added services and PLMN operator services.

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## 2. References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- For this Release 1998 document, references to GSM documents are for Release 1998 versions (version 7.x.y).

[1] GSM 01.04 (ETR 350): "Digital cellular telecommunication system (Phase 2+); Abbreviations and acronyms".

[2] ~~GSM 10.71: "Digital cellular telecommunications system (Phase 2+); Project scheduling and open issues; Location services (LCS)"~~