
Source: SA1
Title: CRs to 22.071 R99/Rel-4/Rel-5 on Closure of a loophole in the privacy settings
Document for: Approval
Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020043	22.071	034		R99	F	CR 22.071 Rel.99 F Closure of a loophole in the privacy settings	3.3.0	3.4.0	S1-020453
SP-020043	22.071	035		Rel-4	A	CR 22.071 Rel-4 A Closure of a loophole in the privacy settings	4.3.0	4.4.0	S1-020454
SP-020043	22.071	036		Rel-5	A	CR 22.071 Rel-5 A Closure of a loophole in the privacy settings	5.0.0	5.1.0	S1-020455

CR-Form-v4

CHANGE REQUEST

⌘ **22.071 CR 034** ⌘ ev **-** ⌘ Current version: **3.3.0** ⌘
Spec Title: Location Services (LCS); Service description, Stage 1 ⌘

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:	⌘ Closure of a loophole in the privacy settings		
Source:	⌘ SA1		
Work item code:	⌘ TEI	Date:	⌘ 08 February 2002
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)	R96 (Release 1996)
	A (corresponds to a correction in an earlier release)	R97 (Release 1997)	R98 (Release 1998)
	B (addition of feature),	R99 (Release 1999)	REL-4 (Release 4)
	C (functional modification of feature)	REL-5 (Release 5)	
	D (editorial modification)		
	Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> .		

Reason for change:	⌘ The current specifications on privacy while roaming allow the unauthorised location of a mobile station while this is roaming in a visited network. This CR is aimed to resolve this problem by clarifying that the LCS client shall be authorised by the HPLMN of the subscriber
Summary of change:	⌘ Clarified that the LCS client attempting to locate a mobile while roaming must be authorised by the home PLMN of the subscriber.
Consequences if not approved:	⌘ Possible breach of the privacy settings for mobiles roaming outside the HPLMN

Clauses affected:	⌘ 4.7
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> O&M Specifications
Other comments:	⌘

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.

4.7 Roaming Target MS

For Value Added Services, the following is applicable:

Provided that a roaming agreement exists, the LCS feature shall allow any properly authorized LCS client to request and receive the location of a particular Target MS when the Target MS is either located in its Home PLMN (HPLMN) or Visited PLMN (VPLMN). The LCS client shall be authorised by the HPLMN of the subscriber whose MS is the target of the location attempt. Any PLMN not supporting the LCS feature shall return a suitable error response to any other PLMN from which an LCS request is received: the requesting PLMN shall then infer that the LCS feature is not supported and provide a suitable error response in turn to the requesting LCS Client.

For PLMN Operator Services, location of any roaming target MS shall be supported in the VPLMN as allowed by both local regulatory requirements and considerations, where applicable, of MS privacy.

For Emergency Services (where required by local regulatory requirements) the Serving PLMN shall support the positioning of all Target MSs including roaming Target MSs currently serviced by that serving PLMN. There is no requirement for a HPLMN to position the Target MSs that have roamed outside the HPLMN.

CR-Form-v4
CHANGE REQUEST
⌘ 22.071 CR 036 ⌘ ev - ⌘ Current version: 5.0.0 ⌘ Spec Title: Location Services (LCS); Service description, Stage 1 ⌘

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:	⌘ Closure of a loophole in the privacy settings		
Source:	⌘ SA1		
Work item code:	⌘ LCS1 Date: ⌘ 08 February 2002		
Category:	⌘ A Release: ⌘ REL-5 Use <u>one</u> of the following categories: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) </td> <td style="width: 50%; vertical-align: top;"> 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) </td> </tr> </table> Detailed explanations of the above categories can be found in 3GPP TR 21.900.	F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (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)
F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (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)		

Reason for change:	⌘ The current specifications on privacy while roaming allow the unauthorised location of a mobile station while this is roaming in a visited network. This CR is aimed to resolve this problem by clarifying that the LCS client shall be authorised by the HPLMN of the subscriber
Summary of change:	⌘ Clarified that the LCS client attempting to locate a mobile while roaming must be authorised by the home PLMN of the subscriber.
Consequences if not approved:	⌘ Possible breach of the privacy settings for mobiles roaming outside the HPLMN

Clauses affected:	⌘ 4.12
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘

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4.12 Roaming Target UE

With respect to roaming, specific local, national, and regional privacy regulations must be complied with, and multiple layers of permissions may be required.

Many location-based services may be especially attractive to subscribers roaming outside their home PLMN. As such, support should be provided for the transparent and consistent provision of location based services to the fullest extent possible. Consideration for roaming support should be provided with the following priorities:

1. Roaming between GSM family networks.
2. Roaming between 2nd Generation GSM systems and IMT 2000 family networks.
3. Roaming between GSM and ANSI-41 or other systems.

If the location capability in the VPLMN is compatible with that provided in the HPLMN, the same parameters must be provided to the location server in the VPLMN that would be provided to the server in the HPLMN to enable provision of the same services.

For Value Added Services, the following is applicable:

Provided that a roaming agreement exists, the LCS feature shall allow any properly authorized LCS client to request and receive the location of a particular Target UE when the Target UE is either located in its Home PLMN (HPLMN) or Visited PLMN (VPLMN). The LCS client shall be authorised by the HPLMN of the subscriber whose UE is the target of the location attempt. Any PLMN not supporting the LCS feature shall return a suitable error response to any other PLMN from which an LCS request is received. The requesting PLMN shall then infer that the LCS feature is not supported and provide a suitable error response in turn to the requesting LCS Client.

For PLMN Operator Services, location of any roaming target UE shall be supported in the VPLMN as allowed by both local regulatory requirements and considerations, where applicable, of UE privacy.

For Emergency Services (where required by local regulatory requirements) the Serving PLMN shall support the positioning of all Target UEs including roaming Target UEs currently serviced by that serving PLMN. There is no requirement for a HPLMN to position Target UEs that have roamed outside the HPLMN.

CR-Form-v4

CHANGE REQUEST

⌘ **22.071 CR 035** ⌘ ev **-** ⌘ Current version: **4.3.0** ⌘
Spec Title: Location Services (LCS); Service description, Stage 1 ⌘

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:	⌘ Closure of a loophole in the privacy settings
Source:	⌘ SA1
Work item code:	⌘ LCS1
Date:	⌘ 08 February 2002
Category:	⌘ A
	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 .
Release:	⌘ REL-4
	Use <u>one</u> of the following releases:
	2 (GSM Phase 2)
	R96 (Release 1996)
	R97 (Release 1997)
	R98 (Release 1998)
	R99 (Release 1999)
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