
Source: SA1
Title: CR to 22.071 on Applicability of barring capability to the Location Service (Rel-6)
Document for: Approval
Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-030020	22.071	049	-	Rel-6	B	Applicability of barring capability to the Location Service	6.2.0	6.3.0	S1-030277

CR-Form-v7

CHANGE REQUEST

⌘ **22.071 CR 049** ⌘ rev **-** ⌘ Current version: **6.2.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Applicability of barring capability to the Location Service		
Source:	⌘ SA1 (NTT DoCoMo)		
Work item code:	⌘ LCS2	Date:	⌘ 23/01/2003
Category:	⌘ B	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ There is no description to bar an Location Service usage of a Target UE by network operators in current stage1. There is a need for operators to have a barring capability of LCS in a similar way to the barring capability available for SMS. Especially in the roaming case, this barring function would be essential for operators to limit their financial exposure to defaulters.
Summary of change:	⌘ Add new section to chapter 7(Provisioning and Administration)
Consequences if not approved:	⌘ A network operator will not have the capability to bar LCS features (both MO-LR and MT-LR) of its own subscribers.

Clauses affected:	⌘ 7.3 (new)										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	X			X		X	Other core specifications	⌘ 23.071, 23.041
Y	N										
X											
	X										
	X										
		Test specifications									
		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/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/> 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.

7 Provisioning and Administration

7.1 Procedures for an LCS Client

These procedures are concerned with the LCS client's provisioning and administration to the LCS feature.

7.1.1 Provisioning

Provisioning is an action to make the LCS feature available to a subscriber.

Provisioning may be:

- General: where the service may be made available to all subscribers without prior arrangements being made with the service provider (i.e. emergency calls).
- Pre-arranged: where the service is made available to an individual LCS Client only after the necessary arrangements have been made with the service provider.

7.1.2 Withdrawal

Withdrawal is an action taken by the service provider to remove an available LCS feature from a LCS Client's subscription profile.

Withdrawal may be:

- General: where the LCS feature is removed from all LCS Clients.
- Specific: where the LCS feature is removed on an individual basis per LCS Client.

7.1.3 Invocation

Invocation is an action to invoke the LCS feature, taken by the LCS Client (e.g. issuing a location request) or automatically by the LCS server as a result of a particular condition (e.g. periodic location request, mobile originating emergency call, etc.).

7.2 Procedures for a Target UE

These procedures are concerned with a Target UE's privacy exception list. For emergency services, provisioning and withdrawal for Target UEs may not apply.

7.2.1 Provisioning

Provisioning is an action to make the privacy exception list with its privacy classes available to a Target UE. The provision may be:

- General: where the list is made available to all Target UE's without prior arrangements being made with the service provider. The list shall contain the default privacy class.
- Pre-arranged: where any extra privacy permission class (--granting permission to locate an UE Client) shall be capable of being independently provisioned for a target UE as agreed with the service provider for a certain contractual period.

7.2.2 Withdrawal

Withdrawal is an action taken by the service provider to remove an available privacy class from a target UE's PEL. Withdrawal may be:

- General: where a privacy class is removed from all target UEs provided with this privacy class.
- Specific: where each of the privacy classes in the privacy exception list shall be independently withdrawn at the subscriber's request or for administrative reasons.

7.2.3 User Control

The user shall be able to change the following settings in the privacy exception list:

- the LCS Client and/or group of LCS Clients list
- the codeword
- the requestor
- the service types
- the target subscriber notification setting (with/without notification)
- the default treatment, which is applicable in the absence of a response from the Target UE for each LCS Client identifiers.

7.3 Barring Capability of the Location Service

It shall be possible for operators to bar the Location Service of a specific user at any time. i.e. any location requests towards the user's Target UE and her own location requests towards her own Target UE are barred.

If the LCS request fails due to barring then an error cause is returned to the LCS Requestor.

For Emergency Services and other services where required by local regulatory requirements, and for PLMN operator Services, the location request shall be processed with the highest priority level regardless of the barring status of LCS.