Source:	**TSG S1**
Title:	**CR to 02.43 on Maximum number of LSAs allowed for a subscriber**
Document for:	**Approval**
Agenda Item:	**5.1.3**

TSG-SA Working Group 1 (Services) meeting #5
Bernried, Starnberger, Germany 27th Sept – 1st Oct 1999

TSG S1 (99)649
Agenda Item: 6.1.2

CHANGE REQUEST No :	**A002**	*Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.*

Technical Specification GSM   02.43   Version: 7.1.0

Submitted to SMG _____ for approval [ ] without presentation ("non-strategic") [ ]
list SMG plenary meeting no. here ↑   for information [ ]   with presentation ("strategic") [ ]

PT SMG CR cover form is available from: http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip

---

Proposed change affects: SIM [**X**] ME [ ] Network [**X**]
(at least one should be marked with an X)

Work item:	SoLSA – Support of Localised Service Area
Source:	Ericsson **Date:** 990831
Subject:	Maximum number of LSAs allowed for a subscriber.

Category:
(one category and one release only shall be marked with an X)

				Release:		
F	Correction	**X**		Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	**X**
D	Editorial modification			Release 99	

Reason for change:	In GSM 03.73 it is defined that a service subscriber shall not be provided with more than 20 LSAs per PLMN (including universal LSAs). In GSM 02.43 the old value 100 LSAs per PLMN is defined. GSM 02.43 needs therefore to be updated.

Clauses affected: 4.1

Other specs affected:

Other releases of same spec		→ List of CRs:
Other core specifications		→ List of CRs:
MS test specifications / TBRs		→ List of CRs:
BSS test specifications		→ List of CRs:
O&M specifications		→ List of CRs:

Other comments:

4 Description

The localised service area concept shall give the operator the basis to offer subscribers different services (e.g. tariffs or access rights) depending on the location of the subscriber.

4.1 Defining subscriber information for localised service area

A subscriber can have up to ~~10~~20 LSAs per PLMN.

It shall be possible to assign localised service areas to subscribers. Subscriber may have service, which contains several LSAs potentially belonging to different PLMNs. There shall be means to allocate LSA priority to each subscriber independently by operator.

Localised service areas for subscriber(s) may overlap, i.e. one cell may be part of several LSAs belonging to that subscriber.

As an example, within a hierarchical cell structure, cells in different layers can constitute different localised service areas. A localised service area could be defined so that it is possible to establish flexible sized areas, which are applicable to

- a very small localised service area ("home area" covering one or several cells dedicated e.g. to a residential subscriber or a company); or

- a large area covering a part of the city (one or several location areas); or

- a combination of these.

Thus it is possible to use the various radio network configurations.

The definition of location areas and the definition of localised service areas may be independent of each other.

4.2 Service Features

Following service features are building blocks for SoLSA based services. It is up to the operator to decide which service features are required for a specific service.

- Localised service area indication.

- Localised service area support in idle mode (camping).

- Localised service area support in active mode (handover).

- LSA only access.

- Exclusive access.

- Preferential access.

4.2.1 Localised service area indication

It shall be possible to assign a subscriber defined identifier by the operator to each LSA (alphanumeric text up to 10 characters), which can be provided to the user in idle and active mode. As a MS manufacturer option the user may assign an icon or another form of indication to each LSA.

It shall be possible to indicate a change of localised service area during idle and active mode.

The indication is a network option (activated/deactivated by the network).