**3GPP TSG CN Plenary Meeting #12**
**Stockholm, Sweden, 13<sup>th</sup> - 15<sup>th</sup> June 2001**

**Tdoc NP-010293**

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|---|---|
| **Source:** | TSG CN WG4 |
| **Title:** | CRs on Rel-5 Work Item LCS1 |
| **Agenda item:** | 9.7 |
| **Document for:** | APPROVAL |

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**Introduction:**

This document contains 1 CR on Rel-5 Work Item "LCS1", that have been agreed by TSG CN WG4, and are forwarded to TSG CN Plenary meeting #12 for approval.

| Spec | CR | Rev | Doc-2nd-Level | Phase | Subject | Cat | Ver_C |
|---|---|---|---|---|---|---|---|
| 23.003 | 029 | 1 | N4-010699 | Rel-5 | New Subsystem Number for the Position Calculation Application Part on the Iupc interface | F | 4.0.0 |

CR-Form-v3

# CHANGE REQUEST

| ⌘ | **23.003** CR **029** | ⌘ rev **1** ⌘ | Current version: | **4.0.0** | ⌘ |

*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 ☐

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|---|---|
| *Title:* ⌘ | New Subsystem Number for the Position Calculation Application Part on the Iupc interface |
| *Source:* ⌘ | CN4 |
| *Work item code:* ⌘ | LCS1      *Date:* ⌘   May 16<sup>th</sup>, 2001 |
| *Category:* ⌘ | **B** (Addition of feature)      *Release:* ⌘   REL-5 |

*Use one 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.

*Use one 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)*

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| *Reason for change:* ⌘ | A new subsystem number needs to be defined for the support of the Open SMLC-SRNC Interface for A-GPS Work Item (RAN WG2 work item 2125). |
| *Summary of change:* ⌘ | Add new Subsystem Number for PCAP. |
| *Consequences if not approved:* ⌘ | Open SMLC-SRNC Interface would be non-operational. |

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| *Clauses affected:* ⌘ | Section 8.2. |
| *Other specs affected:* ⌘ | ☐ Other core specifications ⌘<br>☐ Test specifications<br>☐ 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://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

| **\*\*\*\* FIRST MODIFIED SECTION \*\*\*\*** |
|:---:|

## 1.1 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.

[1] 3GPP TS 21.905: "3G Vocabulary".

[2] 3GPP TS 23.008: "Organization of subscriber data".

[3] 3GPP TS 23.022: "Functions Related to Mobile Station (MS) in Idle Mode".

[4] 3GPP TS 23.070: "Routeing of calls to/from Public Data Networks (PDN)".

[5] 3GPP TS 24.008: "Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3".

[6] 3GPP TS 29.060: "GPRS Tunnelling protocol (GPT) across the Gn and Gp interface".

[7] GSM 03.20: "Digital cellular telecommunications system (Phase 2+); Security related network functions".

[8] GSM 09.03: "Digital cellular telecommunications system (Phase 2+); Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)".

[9] GSM 11.11: "Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

[10] ITU-T Recommendation E.164: "Numbering plan for the ISDN era".

[11] ITU-T Recommendation E.212: "Identification plan for land MSs".

[12] ITU-T Recommendation E.213: "Telephone and ISDN numbering plan for land MSs in public land mobile networks (PLMN)".

[13] ITU-T Recommendation X.121: "International numbering plan for public data networks".

[14] RFC 791: "Internet Protocol".

[15] RFC 1883: "Internet Protocol, Version 6 (IPv6) Specification".

[16] 3GPP TS 25.401: "UTRAN Overall Description".

[17] 3GPP TS 25.413: "UTRAN Iu Interface RANAP Signalling".

## 1.2 Abbreviations

Abbreviations used in the present document are listed in 3GPP TS 21.905.

| **\*\*\*\* NEXT MODIFIED SECTION \*\*\*\*** |
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# 8 SCCP subsystem numbers

Subsystem numbers are used to identify applications within network entities which use SCCP signalling. In GSM, subsystem numbers may be used between PLMNs, in which case they are taken from the globally standardised range (1 - 31) or the part of the national network range (129 – 150) reserved for GSM use between PLMNs, or within a PLMN, in which case they are taken from the part of the national network range (32 – 128 & 151 - 254) not reserved for GSM use between PLMNs.

## 8.1 Globally standardised subsystem numbers used for GSM

The following globally standardised subsystem numbers have been allocated for use by GSM:

0000 0110HLR (MAP);

0000 0111VLR (MAP);

0000 1000MSC (MAP);

0000 1001EIR (MAP);

0000 1010is allocated for evolution (possible Authentication Centre).

## 8.2 National network subsystem numbers used for GSM

The following national network subsystem numbers have been allocated for use within GSM networks:

1111 1001 PCAP;

1111 1010BSC (BSSAP-LE);

1111 1011MSC (BSSAP-LE);

1111 1100SMLC (BSSAP-LE);

1111 1101BSS O&M (A interface);

1111 1110BSSAP (A interface).

The following national network subsystem numbers have been allocated for use within and between GSM networks:

1000 1110RANAP;

1000 1111RNSAP;

1001 0001GMLC(MAP);

1001 0010CAP;

1001 0011gsmSCF(MAP);

1001 0100SIWF(MAP);

1001 0101SGSN(MAP);

1001 0110GGSN(MAP).

| **\*\*\*\* END OF MODIFICATIONS \*\*\*\*** |
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