

3GPP TSG CN Plenary Meeting #12
Stockholm, Sweden, 13th - 15th June 2001

Tdoc NP-010353

Source: RAN3
Title: Requirement of a Subsystem Number for A-GPS Standalone SMLC
Agenda item: 5.2
Document for: INFORMATION

3GPP TSG-RAN WG3 Meeting #21
Busan, Korea, 21-25 May 2001

R3-011815

Title: Requirement of a Subsystem Number for A-GPS Standalone SMLC
Source: TSG RAN3
To: CN
Cc: CN4, RAN2, SA2

Contact Person:
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E-mail Address: ilin@Qualcomm.com

RAN3 confirms to CN that a new subsystem number to be used for the Standalone A-GPS SMLC (SAS) is needed for UMTS networks for release 5. Please note that the related Iupc interface (interface between RNC and SAS) specifications will be sent to RAN plenary #12 for approval in June, 2001. In consequence, it will be greatly appreciated if the desired SSN can be defined in the June R5 version of TS 23.003.

RAN3 would also like to confirm that CR29 to 23.003 (document N4-010699 "New Subsystem Number for the Position Calculation Application Part on the Iupc interface") is in alignment with RAN3 objectives on the new SSN for SAS.

3GPP TSG_CN_WG4, Meeting #08
Puerto Rico, USA, 14th May - 18th May 2001

Tdoc N4-010699

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

Title: ⌘ Revised version of CR N4-010621:New Subsystem Number for the Position Calculation Application Part on the Iupc interface

Source: ⌘ Qualcomm

Work item code: ⌘ LCS-INTF

Date: ⌘ May 16th, 2001

Category: ⌘ **B** (Addition of feature)

Release: ⌘ REL-5

Use one of the following categories:
F (essential correction)

Use one of the following releases:
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)

Reason for change:	⌘	Changes to CR N4-010621 to take into account comments from CN4 meeting on May 16 th .
Summary of change:	⌘	- Remove reference to 25.305 in section 1.1 - Section 8.2: Modify new SSN value and Move new SSN to paragraph for national network subsystem numbers allocated for use within GSM networks.
Consequences if not approved:	⌘	Open SMLC-SRNC Interface would be non-operational.

Clauses affected:	⌘	Section 8.2.
Other specs affected:	⌘	<input type="checkbox"/> Other core specifications ⌘ <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://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.

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.

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 0110 HLR (MAP);
0000 0111 VLR (MAP);
0000 1000 MSC (MAP);
0000 1001 EIR (MAP);
0000 1010 is 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 1010 BSC (BSSAP-LE);
1111 1011 MSC (BSSAP-LE);
1111 1100 SMLC (BSSAP-LE);
1111 1101 BSS O&M (A interface);
1111 1110 BSSAP (A interface).

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

1000 1110 RANAP;

1000 1111 RNSAP;

1001 0001 GMLC(MAP);

1001 0010 CAP;

1001 0011 gsmSCF(MAP);
1001 0100 SIWF(MAP);
1001 0101 SGSN(MAP);
1001 0110 GGSN(MAP).

**** END OF MODIFICATIONS ****

CHANGE REQUEST

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Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Revised version of CR N4-010621:New Subsystem Number for the Position Calculation Application Part on the lupc interface
Source:	⌘ Qualcomm
Work item code:	⌘ LCS-INTF Date: ⌘ May 16th, 2001
Category:	⌘ B (Addition of feature) Release: ⌘ REL-5
<p style="text-align: center;"><i>Use <u>one</u> of the following categories:</i></p> <p style="text-align: center;">F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p style="text-align: center;"><i>Use <u>one</u> of the following releases:</i></p> <p style="text-align: center;">2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p> <p style="text-align: center;">Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>	

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****** FIRST MODIFIED SECTION ******

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****** NEXT MODIFIED SECTION ******

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1001 0100SIWF(MAP);

1001 0101SGSN(MAP);

1001 0110GGSN(MAP).

*** END OF MODIFICATIONS ***

Source: Qualcomm Europe
Title: Proposed Draft LS to CN
Document for: Discussion and Approval
Agenda Item:

1. Abstract

This contribution presents a draft of liaison statement to be sent from RAN3 to CN in order to confirm the need of a new Subsystem Number for the Assisted-GPS Standalone SMLC (release 5).

2. Background information

At the CN4#08 meeting in Porto Rico last week, Qualcomm presented a change request to the CN4 specification 23.003 for release 5. The goal was to obtain a new Sub-System Number (SSN) for the Standalone Assisted-GPS SMLC. The CR was agreed conditionally to the receipt of liaison statement from RAN3 at the next CN plenary meeting in June, with a confirmation that an SSN is effectively required for the Assisted-GPS Standalone SMLC (release 5). As a result, Qualcomm is presenting a draft of the liaison statement to be sent to CN so that the CR can be unconditionally approved.

It is to be noted, that the CN4 report and latest approved tdoc are not published on the 3GPP server yet. Attached is the Qualcomm contribution N4-010699, which technical content was agreed upon. However it is not the official document, since the cover page had to be modified.

3. Attachments

1. Draft liaison for discussion and approval
2. CN4 change request N4-010699 for information