

3GPP TSG_CN#6
ETSI SMG3 Plenary Meeting #6,
Nice, France
13th – 15th December 1999

NP-99465

Agenda item: 5.4.3
Source: TSG_N SS ad hoc
Title: Liaison Statements agreed in CN SS ad hoc since CN#5

Tdoc	To	Copy:	Title
N_SS-99146	S1	N2	Requirements for Long Forwarded-to Numbers
N_SS-99147	T1P1.5, TSG CN		Liaison Statement on Location Services (LCS)

Work Item: Call Forwarding Enhancements

From: CN SS ad hoc

LS to TSG-S1:

Service Requirements for Long Forwarded-to Numbers

TSG-N SS ad hoc is currently working on the Call Forwarding Enhancements Work Item, to allow a subscriber to register a Forwarded-to Number with a maximum length of 28 digits.

TSG-N SS ad hoc have identified problems with the following scenarios:

- 1) When a subscriber, with a long forwarded-to number registered, roams to an MSC/VLR not supporting long forwarded-to numbers, either:
 - a) The MSC/VLR stores the Call Forwarding subscription information as “not provisioned”. This means CFB, CFNRy and late CFNRc can not be applied while the subscriber remains in the non-supporting MSC/VLR. If the subscriber interrogates Call Forwarding, he will receive incorrect information.
 - b) The HLR includes a default forwarded-to number of less than 15 digits. This could be a number that plays a recorded announcement or invokes an IN service to complete the call or another operator specific solution.
- 2) An incoming call subject to CFU or early CFNRc to a subscriber with a long forwarded-to number registered will, if the GMSC does not support long forwarded-to numbers, either
 - a) the call forwarding shall fail and the call shall be dropped.
 - b) a default forwarded-to number, received from the HLR, shall be used as in (1b)
- 3) On invocation of Optimal Routing to a long forwarded-to number, routed via a network entity not supporting long forwarded-to numbers, either
 - a) the call forwarding shall fail and the call shall be dropped
 - b) a default forwarded-to number, received from the HLR, shall be used as in (1b)
- 4) A subscriber, with a long forwarded-to number registered, has an MS that does not support long forwarded-to numbers. If the subscriber interrogates call forwarding, either
 - a) no information is displayed to the subscriber
 - b) the first 15 digits of the long forwarded-to number are displayed
 - c) the last 15 digits of the long forwarded-to number are displayed

TSG-N SS ad hoc ask TSG-S1 which of the options are preferred in cases 1-4 above.

TSG-N SS ad hoc also ask TSG-S1 if the Call Forwarding Enhancements work item should be extended to include Call Deflection? Currently, the deflected-to number must be less than 16 digits.

**3GPP TSG CN SS ad hoc #4
Henley on Thames, UK
30 November - 2 December 1999**

Tdoc 3GPP N_SS-99147

**From: TSG CN SS ad hoc
To: T1P1.5, 3GPP TSG CN**

Liaison Statement on Location Services (LCS)

TSG CN SS ad hoc group thanks T1P1.5 for their documents on Location Services (LCS). TSG CN SS ad hoc group was requested to endorse the new specification GSM 04.30 and the CR to GSM 04.80.

GSM 04.30:

From technical point of view this new specification is endorsed by the meeting. However, the following items were pointed out:

- In figures 4.1, 5.1 and 5.2 the parameters of the operations should be described in brackets (e.g. in figure 4.1 the data type LocationNotificationArg shall be replaced by the parameters of it).
- It is assumed by the TSG CN SS ad hoc that LCS is a network feature rather than a supplementary service. T1P1.5 is kindly asked to clarify this issue. Depending on this decision, responsibility of GSM 04.30 might be different in TSG CN.

CR to GSM 04.80:

The CR to GSM 04.80 is acceptable from technical point of view. However, the following item was recognised:

- There are some syntax errors in ASN.1 data types in chapter 4.4.2 (e.g. the data type MOLR-Arg shall be replaced by LCS-MOLRArg). In chapter 4.4.3 there are ASN.1 syntax errors in the names of the identifiers (names of the identifiers shall start with a small letter).

TSG CN SS ad hoc group doubts if LCS can be approved as part of Release 98 as LCS brings new functionality, i.e. GSM TS 04.30 is a new specification. TSG CN meeting have taken over the responsibility for maintaining GSM Core Network specifications from SMG3. At their meeting at Kyongju in October 1999 TSG CN have agreed that it will not be acceptable to change GSM Release 98 (or earlier releases) except to deal with serious technical errors.

Therefore TSG CN SS adhoc recommends to approve LCS as a Release 99 work item.