3GPP TSG RAN Meeting #22 **RP-030639**
Maui, Hawaii, US, 9 - 12 December 2003

3GPP TSG GERAN Meeting #17 *GP-032718*
Budapest, Hungary, 17-21 November 2003

Title: Coordination of Positioning Methods between TSG GERAN and TSG RAN
Response to: Liaison on "Introduction of Positioning Methods over Iu" (R3-031254, GP-032433)

Source: TSG GERAN
To: TSG RAN3
Cc: TSG SA2, TSG RAN, TSG CN4, TSG RAN2

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Attachments: None

1. Overall Description

TSG GERAN thank RAN3 for their liaison regarding the introduction of positioning methods in RANAP in Release 5 for both GERAN Iu mode and UTRAN. TSG GERAN are able to provide the following answers to the questions addressed to them by TSG RAN3 in this liaison.

1. If TSG GERAN agree to continue with this coordination of code points allocation which needs to be done in the two directions

   Response: TSG GERAN are happy to agree to such continuing cooperation. However, TSG GERAN point out that code point 01000, assigned to Cell ID for UTRAN within CR 25.413-586 (R3-031234), was previously assigned to U-TDOA within GERAN. Thus, TSG GERAN kindly request TSG RAN3 to reassign a new code point for Cell ID within UTRAN. TSG GERAN note that once such reassignment is made, GERAN and UTRAN specific code points will be non-overlapping.

2. If TSG GERAN could explain the rationale and benefit foreseen by reporting the methods unsuccessfully attempted in addition to the successful one(s).

   Response: the additional information on unsuccessful positioning methods and position methods that were successful but were not used to generate the location estimate (e.g. due to inadequate accuracy) can be stored in LCS accounting records (e.g. in an MSC, SGSN, GMLC). For call related location (e.g. for an emergency services call), the information can also be stored in the call record or accounting record in an MSC or SGSN. The additional information may be useful for post analysis. For example, if an emergency services calling user is not located with regulatory accuracy, the PLMN operator can provide some evidence that other positioning methods were tried (if such was the case).

3. The history behind the protocol data discriminator and its future usage.

   Response: when LCS support was initially defined for GSM in R98 and R99, it was expected that more detailed information on positioning methods might have been needed for some services - for example, details of why some positioning methods failed or why accuracy or response time did not fulfil the QoS requirement. In particular, for the emergency services and lawful intercept LCS clients, failure to comply with the required QoS could be serious in some cases. Other discriminator values were thus left available in case more detailed information was needed. Usage of this capability would have very minor impacts to the BSS and MSC or SGSN compared to the addition of a new IE. TSG GERAN notes that no requirement has yet emerged for

such more detailed information. However, since LCS deployment is still in its early stages, retaining this extension capability at the small cost of one 4 bit field may still be prudent.

TSG GERAN hope that the above clarification will sufficiently explain the usage of the Positioning Methods IE and expect to continue coordination of new codepoints in the future.

2. Actions

None

3. Dates of Next GERAN Meetings

GERAN#18	2-6 February 2004		Reykjavik, Iceland
GERAN#19	19-23 April 2004	USA	