TSG-RAN Meeting #16 *RP-020273*
Marco Island, FL, USA, 4 - 7 June 2002

(R4-021037, copy TSG-RAN) Response to LS (S1-020484) on Requirements for Location Based Services Accuracy Classes

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TSG-RAN Working Group 4 (Radio) meeting #23 R4-0201037
May 13-17, 2002, Gyeongju, South Korea

Title:	Response to Requirements for Location Based Services Accuracy Classes from SA WG1
Source:	RAN WG4
To:	SA WG1
cc:	GSMA SerG, TSG RAN, TSG GERAN, GERAN WG2, GERAN WG4, GERAN WG5,

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TSG RAN WG4 thanks TSG SA WG1 for the liasion on proceedings with location services in their group. TSG RAN WG4 has discussed the information provided by TSG SA WG1 in our meeting #23 in Gyeongju, below details the questions and concerns raised by the group regarding the presented information.

- It is the opinion of RAN WG4 that Releases 99, 4, and 5 are functionally frozen, and RAN WG4 therefore assumes any work would be performed for Release 6. Please note, for Release 6, no work item exist in TSG RAN for location based services improvements.

- It was also noted, that the attachments included in the liasion sent to TSG RAN WG4 were incorrect (not related to positioning), as well as further guidence has been requested from GSMA SerG to TSG SA WG1. TSG RAN WG4 can only align their specifications for Rel 99, Rel 4, and Rel 5, if the changes are considered essential corrections. TSG RAN WG4 assumes this is not the intention of TSG SA WG1.

- Setting the performance requirments to meet an accuracy per service requirement creates unnecessary restrictions to operators and equipment manufacturers who may deploy location services to customers. In addition, it is noted that such service requirements could require or imply undue changes in the radio networks, which would not be needed for any other reasons. It is not feasible for TSG RAN WG4 to base a solution on accuracy classes for services. **TSG RAN WG4 needs a "translation" by SA1 into technical requirements.** This could lead to the TSG SA WG1 desired "service classes", where a terminal would then meet an accuracy class that can be used for some, but not all services. For example, a terminal typically meeting a 150 m accuracy can not be used for services requiring a better accuracy. Additionally, as multiple technologies have been specified for Rel 99, 4, and 5, in TSG RAN (and in TSG GERAN), a terminal will normally not support all these technologies, thus not provide the location service if the operator uses a different technology in a network. Also operators will normally only deploy a subset of the specified technologies. Moreover, roaming may increase these difficulties.