Technical Specification Group Services and System Aspects *TSGS#10(00)0505*
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TSG-RAN Working Group 2 (Radio L2 and Radio L3) *R2-002471*
Sophia Antipolis, France, 13 - 17 November 2000

Source: **TSG-RAN WG2**

To: **TSG-RAN WG4, TSG-SA, TSG-SA WG1, TSG-CN WG1, TSG-GERAN, TSG-GERAN WG1**

Cc:

Title: **LS on Requirements for PLMN selection and reselection**

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On the 13th Noember 2000 and 15th November 2000 a joint meeting was held between TSG-RAN WG2 and TSG-RAN WG4. During these joint meetings, a number of points for clarification were identified on the use of PLMN selection and reselection. One concern raised was how long may the search for the Home PLMN (and other PLMNs) take. In particular it may take a substantial amount of time for multi-RAT terminals, since they will have to potentially search through FDD, TDD,NB-TDD, GSM 900, GSM 1800, GSM 1900 and other technologies before selecting the PLMN.

During this meeting it became apparent that a number of principles regarding PLMN selection and reselection which span working groups (TSG-N WG1, TSG-RAN WG2, TSG-RAN WG4, and the requirements from TSG-SA WG1) need to be discussed to ensure that procedure is specified correctly across these multiple groups.

Identified open issues are:

During the TSG-RAN WG4 and TSG-RAN WG2 joint meeting it was discussed if comparisons should be made between multiple technologies during the PLMN selection and reselection processes. i.e. once a suitable cell of the RPLMN is found may that cell be selected to perform registration rather than searching though all technologies for the optimum cell of that PLMN.

In the case where no preference is shown between technologies on the USIM or RPLMN RAT preference field how should the order to the technologies to be searched be chosen?

In the case where UTRA is the radio access technology (RAT) preference, how is the order of the radio access modes (RAM) chosen?

High quality cell criteria issues are discussed in a separate LS R2-002473.