Liaison statement

To: TSG SA1, SA2, RAN1 and RAN2

Cc: TSG CN1, CN3, T1, T2 and T3

From: 3GPP TSG T2 SWG5

Title: Definitions for usage of Multi-mode/system terminals

For: Comments, information, and usage

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Introduction

In TSG T2 SWG5, Multi-mode terminals, work is going on with a report that will review the work that is done and ongoing on the subject of multi-mode terminals and concentrate on finding and defining areas where additional work is needed, to make the usage of multi-mode terminals efficient.

To get a common understanding in this difficult area, T2 SWG5 has identified that certain definitions were needed. These definitions have been elaborated and SWG5 now thinks that to get a common understanding between the different WGs, it is important to use the same terminology. The list of definitions is not intended to be complete and the definitions can be further elaborated due to the progress of the work and comments from other groups.

The most important definitions in this list are the differentiation between a multi-*mode* terminal and a multi-*system* terminal. The first terminal is able to communicate with different modes within UTRAN and the other is able to communicate with totally different access networks, e.g. UMTS and GSM.

As the scope of this SWG is to review the work for the latter type of terminal, it was decided to rename the group and the corresponding report to "Multi-system terminals".

The definitions

Multi-mode terminal: a terminal that has the ability to communicate with and switch between the different modes within UTRAN.

Multi-system terminal: a terminal that has the ability to communicate with and switch between different generations of access networks (e.g. a terminal that can communicate with both GSM and UMTS) or a terminal that combines a semi-mobile network (e.g. HiperLAN) with UMTS.

Active communication: a terminal is in active communication when a session is ongoing. This can be either a CS or a PS connection.

Band: describes what frequency band/bands are used by the terminal, see also Multi band when a certain radio technology is used but on different frequencies

Camping on a cell: A terminal is camping on a cell when the terminal is able to listen to paging messages from the network in the specific cell.

Multi-mode identity: one identity that unambiguously identifies a subscriber to the subscribed modes.

Multi-system identity: one identity that unambiguously identifies a subscriber to the subscribed systems. May be combined in e.g. the HLR by several identities used in different systems.

Multi band: when a certain type of radio technology/radio interface is used in different frequency bands (e.g. GSM for both 900 and 1800 MHz).