

Exhibit “E”

Universal Mobile Telecommunications System (UMTS),
User Equipment (UE) procedures in idle mode and
procedures for cell reselection in connected mode
(3GPP TS 25.304 version 7.4.0 Release 7)



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3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following definitions and the definitions in [12] apply.

Acceptable Cell: A cell that satisfies certain conditions as specified in 4.3. A UE can always attempt emergency calls on an acceptable cell.

Available PLMN: A PLMN for which the UE has found at least one cell and read its PLMN identity.

Barred Cell: A cell a UE is not allowed to camp on.

Camped on a cell: UE has completed the cell selection/reselection process and has chosen a cell. The UE monitors system information and (in most cases) paging information.

Camped on any cell: UE is in idle mode and has completed the cell selection/reselection process and has chosen a cell irrespective of PLMN identity.

Camped on MBSFN cluster: UE has completed the MBSFN Cluster selection/reselection process and has chosen a MBSFN Cluster. The UE monitors system information and receives notifications for MBMS services and possibly receives a MBMS service.

DRX cycle: Individual time interval between monitoring Paging Occasion for a specific UE.

Equivalent PLMN list: List of PLMNs considered as equivalent by the UE for cell selection, cell reselection, MBSFN Cluster selection, MBSFN Cluster reselection and handover according to the information provided by the NAS.

Home PLMN: A PLMN where the Mobile Country Code (MCC) and Mobile Network Code (MNC) of the PLMN identity are the same as the MCC and MNC of the IMSI.

Location Registration (LR): UE registers its presence in a registration area, for instance regularly or when entering a new registration area.

Maximum DRX cycle: Time interval for the longest possible DRX cycle in a cell.

MBMS Activated Service: An MBMS service that the UE has joined (multicast) or is interested in (broadcast).

MBMS Preferred Layer (PL): A frequency layer that is indicated by the UTRAN to be preferred for camping for MBMS purposes.

MBSFN cluster: Set of cells operating in MBSFN mode providing only MBMS service in PtM mode and seen as one cell by a UE.

MBSFN mode: In order to achieve higher spectral efficiency synchronized cells operate in MBSFN mode which implies that they transmit exactly the same content over an area that is seen as one MBSFN cell by the UE.

Paging Block Periodicity (PBP): Period of the occurrence of Paging Blocks. (For FDD, PBP = 1).

Paging Message Receiving Occasion (TDD only): The frame where the UE receives actual paging message.

Radio Access Technology: Type of technology used for radio access, for instance UTRA or GSM.

Registered PLMN: This is the PLMN on which certain Location Registration outcomes have occurred [5].

Registration Area: (NAS) registration area is an area in which the UE may roam without a need to perform location registration, which is a NAS procedure.

Reserved Cell: A cell on which camping is not allowed, except for particular UEs, if so indicated in the system information.

Restricted Cell: A cell on which camping is allowed, but access attempts are disallowed for UEs whose access classes are indicated as barred.

Selected PLMN: This is the PLMN that has been selected by the NAS, either manually or automatically.

Serving cell: The cell on which the UE is camped.

Strongest cell: The cell on a particular carrier that is considered strongest according to the layer 1 cell search procedure [14][15]. As the details of the layer 1 cell search are implementation dependent, the precise definition of 'strongest cell' is also implementation dependent.

Suitable Cell: This is a cell on which an UE may camp. For a UTRA cell, the criteria are defined in subclause 4.3, and for a GSM cell the criteria are defined in [1].

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AS	Access Stratum
BCCH	Broadcast Control Channel
CM	Connection Management
CN	Core Network
DRX	Discontinuous Reception
DSCH	Downlink Shared Channel
FDD	Frequency Division Duplex
GC	General Control (SAP)
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
HCS	Hierarchical Cell Structure
IMSI	International Mobile Subscriber Identity
MBMS	Multimedia Broadcast-Multicast Service
MBSFN	MBMS over a Single Frequency Network
MCC	Mobile Country Code
MCCH	MBMS point-to-multipoint Control Channel
MICH	MBMS notification Indicator Channel
MM	Mobility Management
MNC	Mobile Network Code
MSCH	MBMS point-to-multipoint Scheduling Channel
MTCH	MBMS point-to-multipoint Traffic Channel
NAS	Non-Access Stratum
NI	(MBMS) Notification Indicator
PCH	Paging Channel
PI	Page Indicator

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