

**Agenda Item: 8.5**  
**Source: RAN**  
**Title: Proposed Updated information on the Roadmap**

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[ITU Member]<sup>1</sup>

#### UPDATED INFORMATION ON THE ROADMAP

This contribution contains updated information on the Roadmap for IMT-2000 CDMA DS and IMT-2000 CDMA TDD, with reference to the main technical areas under investigation within 3GPP TSG RAN.

#### ?? **Improvements of Radio Interface**

Include also:

- ? *Multiple Input Multiple Output antennas (MIMO).*
- ? *FS for the viable deployment of UTRA in additional and diverse spectrum arrangements.*
- ? *Improving Receiver Performance Requirements for the FDD UE.*
- ? *Base station classification.*
- ? *Feasibility Study on UTRA Wideband Distribution Subsystems (WDS).*
- *Use of UMTS within bands not currently allotted to UMTS in Regions 1, 2 and 3 (including at least the 800 MHz band in Region 3, the 850 MHz band in Region 2, and the 1700/2100 MHz in Region 2)*

#### ?? **RAN improvements**

Include also:

- ? *Improvement of RRM across RNS and RNS/BSS.*
- ? *Beamforming Enhancements.*
- ? *Feasibility Study on the Evolution of UTRAN Architecture.*

#### ?? **Multimedia Broadcast/Multicast Service (MBMS)**

#### ?? **UTRAN Sharing in connected Mode**

#### ?? **Evolution of the Transport in the UTRAN**

#### ?? **UE Positioning**

Include also:

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<sup>1</sup> This contribution was developed in 3GPP TSG RAN.

? *Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods.*

The most updated and complete list of all technical areas currently addressed within 3GPP, together with a description of the current status of the activities, can be found on the 3GPP web site [www.3gpp.org](http://www.3gpp.org)