

Radiocommunication Study Groups
2ND MEETING OF WORKING PARTY 5D
DUBAI, 24 JUNE - 1 JULY 2008



Working Party 5D

LIAISON STATEMENT TO EXTERNAL ORGANISATIONS

**REQUEST FOR PARAMETERS OF IMT RADIO INTERFACE TECHNOLOGIES
FOLLOWING WRC-07**

Source: Document 5D/TEMP/62 (Rev.1)

WRC-07 identified new bands for IMT^{1 2}, including 698-862MHz. ITU-R intends to develop parameters for the IMT radio interfaces and frequency arrangements for these frequency bands.

ITU-R Working Party 5D requests external organisations to inform it if they have developed, are developing, or plan to develop specifications for the frequency ranges identified by WRC-07 for IMT.

ITU-R Working Party 5D would also be grateful to receive information about the characteristics of IMT radio interfaces appropriate for these frequency ranges. If this information is not yet available, ITU-R Working Party 5D would appreciate an indication of when it could be provided.

The urgency is greater for the 698-862 MHz band, because some forthcoming work is expected in the near future, and the parameters of IMT in this band are planned to be determined during the next meeting of ITU-R Working Party 5D (8-15 October 2008, with a 1 October 2008 submission deadline). The parameters that are most likely to be needed are listed in the annex to this liaison statement. This list is not exhaustive, and ITU-R would welcome any further relevant information .

It should be noted that within ITU-R, there is another group (JTG 5-6) specifically responsible for the sharing studies between the mobile service and other primary services in the band 790-862 MHz in Regions 1 and 3.

ITU-R Working Party 5D thanks external organisations for their collaboration.

Status: For response

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¹ Not all of these frequency ranges are allocated to the mobile service or identified for IMT in all ITU Regions or countries. See the Final Acts of WRC-07 for details.

² IMT comprises IMT-2000 and IMT-Advanced, as defined in Resolution ITU-R 56.

ANNEX

IMT parameters needed for the work in WP 5D

1 Radio interface parameters

- **Channel bandwidth(s)**, some systems being capable of multiple bandwidths
- **Modulation parameters**
- **power control**
- **capacity criteria including capacity per cell**
- **interference criteria**
- **frequency reuse factor.**

2 System parameters

- **maximum power and EIRP**
 - **Base station**
 - **Terminal**
- **mean power and EIRP**
 - **Base station**
 - **Terminal**
- **transmitter emission mask(s)**
- **receiver thermal noise**
- **reference sensitivity**
- **receiver blocking response**

3 Deployment parameters

- **Transmitting antenna type (directional/omnidirectional/adaptive antenna)**
 - **antenna gain**
 - **antenna height**
 - **antenna pattern (vertical and horizontal)**
 - **antenna downtilt**
 - **feeder loss**
 - **polarization**
 - **cell coverage radius**
 - **minimum coupling loss (MCL)**
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