

[B3G] Beyond 3G(B3G)

IMT-2000

IMT-2000

IMT-2000

Beyond 3G, Super 3G, 4G

WiBro, WiMax

3GPP

3GPP2

IEEE

Beyond 3G

가

가

B3G

2002 9 Geneva

ITU-R WP8F

WG Vision(

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Future vision and evolution of IMT2000

“ Vision framework and overall

objectives of the future development of IMT-2000 and systems beyond IMT-2000”

IMT-2000

System(Systems Beyond IMT-2000)

IMT-

2000 System

System

가 System

가

Service

System

. (< 1>)

IMT-2000 System

System

가

Data (10-100Mbps)

Access(New Mobile Access)

가

Data

(100Mbps)

Data (New Nomadic/Local

Area Wireless Network)

가

1Gbps

Data

ITU

Beyond 3G System

IMT-2000

IMT-2000

가

(Data

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가

Seamless

가 System

가

IMT-2000 System

IMT-2000

IMT-2000

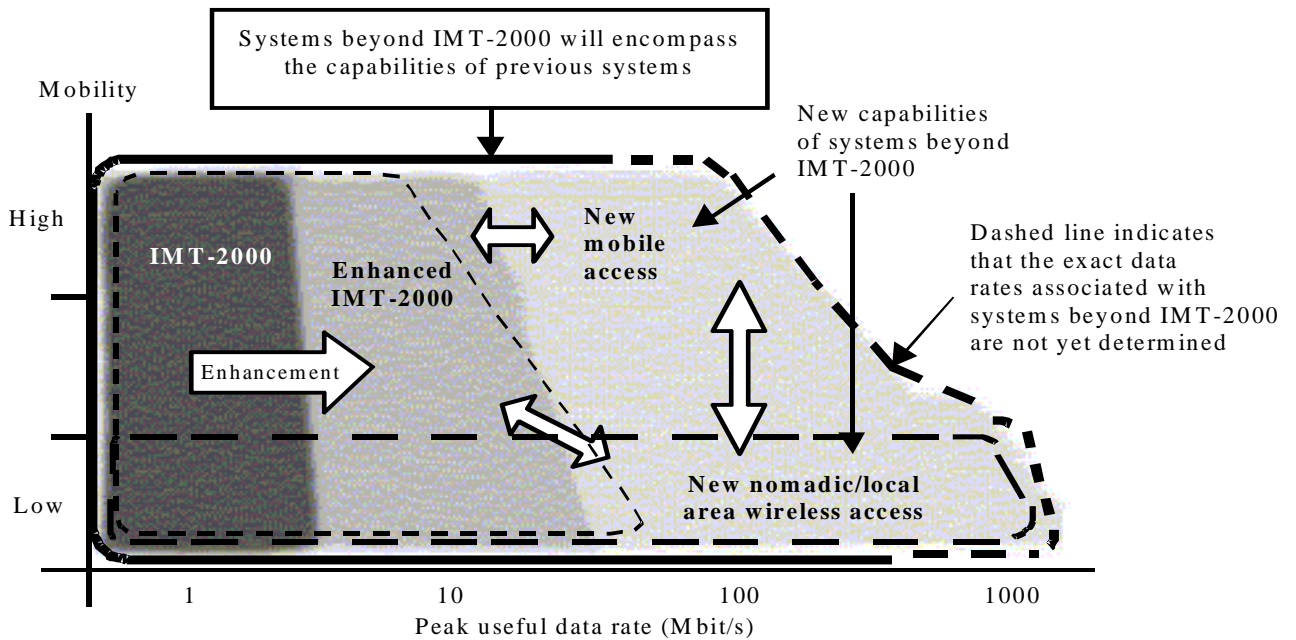
WCDMA

HSDPA(High Speed Downlink Packet

Access) HSUPA(High Speed Uplink Packet Access)가

, CDMA2000

WWRFF(The Wireless World Research Forum),
 mITF(mobile ITForum), FuTURE(Future Technologies for Universal Radio
 Environment) NGMCC(Next Generation Mobile Communication) Forum
 B3G



↔ Denotes interconnection between systems via networks, which allows flexible use in any environment without making users aware of constituent systems

○ Nomadic/local area access systems

○ Digital broadcast systems

Dark shading indicates existing capabilities, medium shading indicates enhancements to IMT-2000, and the lighter shading indicates new capabilities of systems beyond IMT-2000.

The degree of mobility as used in this Figure is described as follows: low mobility covers pedestrian speed, and high mobility covers high speed on highways or fast trains (60 km/h to ~250 km/h, or more).

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< 1> IMT-2000 Systems Beyond IMT-2000 Capabilities