

Factsheet Network & Technology

Mobile data transmission: a comparison

Name	GPRS (General Packet Radio Service)	EDGE (Enhanced Data for GSM Evolution)	UMTS (Universal Mobile Telecommunications System)	HSDPA (High Speed Downlink Packet Access)	WLAN (Wireless Local Area Network)
Underlying technology	GSM standard (NATEL® D)	GSM standard (NATEL® D)	UMTS standard (Wideband Code Division Multiple Access/WCDMA)	UMTS	IEEE 802.11b/g
Coverage	Nationwide (99.8% of the population)	Nationwide (99.8% of the population)	Around 90% of the population	Berne, Geneva, Zurich (by mid-2006, equivalent to coverage of around 20% of the population); additionally, Lausanne, Basle, Lucerne, St. Gallen (by end-2006, equivalent to coverage of around 40% of the population)	1,000 Swisscom Mobile hotspots
Network availability	Since February 2002	Since November 2004	Since July 2004	From April	Since December 2002
Speed	Up to 56 kbps	Up to 256 kbps	Up to 384 kbps	up to 1.8 Mbps	Up to 2 Mbps
Typical applications	Transmission of small files, mobile e-mail	Mobile office (remote access to company data/intranet and Outlook), mobile Internet (surfing, e-mails), file transfer, downloads, interactive services, video streaming, gaming, mobile TV			
Video telephony	No	No	Yes	Yes	No
PC cards available	Yes	Yes	Yes	Yes	Yes
Handsets available	Integrated in most handsets	Yes	Yes	Scheduled from end	Yes

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Berne, 22 February 2006