

# Cellular Wireless Terminology

<b>Term</b>	<b>Description</b>	<b>Typical use and Data transmission speed</b>	<b>Pros/cons</b>
TDMA	Time Division Multiple Access (2G)	Voice and data Up to 9.6kbps	Transmission is one-way and its speed pales next to 3G technologies
CDMA	Code Division Multiple Access (2G)	Voice and data Up to 9.6kbps	Although behind TDMA in number of subscribers, this fast-growing technology has more capacity than TDMA
W-CDMA (UMTS)	Wideband CDMA (also known as Universal Mobile Telecommunications System) (3G).	Voice and data. Up to 10Mbps by 2005, according to designers	Likely to be dominant outside the United States, and therefore good for roaming globally.
CDMA2000 1xRTT	1xRTT is the first phase of CDMA2000 (3G)	Voice and data Up to 144kbps	Proponents say migration from TDMA is simpler with CDMA2000 than W-CDMA
CDMA2000 1xEV-DO	Delivers data on a separate channel	Data Up to 2.4Mbps	
CDMA2000 1xEV-DV	Integrates voice and data on the same channel	Voice and data Up to 2.4Mbps	
SMS	Short Messaging Service		
GPRS	General Packet Radio Service network that supports data packets (2.5G)	Data Up to 115kbps	Messages not limited to 160 characters, unlike GSM SMS
EDGE	Enhanced Data GSM Environment (3G)	Data Up to 384kbps	May be temporary solution for operators unable to get W-CDMA licenses
mMode	mMode brings together email, websites and games -- your own personalized world -- all on your wireless phone, to help you make the most of your day.		