Networx: Cellular/Personal Communications Service

Wireless Services

Cellular/Personal Communications Service (CPCS) can be used for voice, data, short messaging services (SMS), multimedia messaging services (MMS) and Internet services. CPCS provides wireless services for mobile devices such as cellular phones, notebook computers and personal digital assistants (PDAs).

Benefits

- “Always On” Network: In a network-centric IT environment, personnel must have constant access to the network. Verizon has teamed with Verizon Wireless and T-Mobile, leading providers of cellular telephone services, to offer a suite of CPCS services for wireless data and voice communications solutions, including Broadband/National Access, Push-To-Talk, Global Phone, INNetwork Calling and Text Messaging.

- Continuous Access: Verizon’s data connectivity services offer agency personnel the ability to easily access information resources while on travel or en route. Verizon’s CPCS services can improve government efficiency and effectiveness by simplifying the process of accessing coworkers while on the road. Reliable data connectivity ensures that the mobile worker has continuous access to e-mail, the Internet and other data sources.

Features

- Code Division Multiple Access (CDMA): Verizon will offer Verizon Wireless service that employs CDMA technology for enhanced service levels while accommodating increasing capacity. Verizon Wireless was the first U.S. wireless carrier to roll out a national high-speed wireless data network—NationalAccess—that offers downloadable applications over the air onto phones. With a sizeable 3rd Generation (3G) footprint, the Verizon Wireless 1xRTT data network is now available in over 900 cities throughout the U.S., from Hawaii to Maine.

- BroadbandAccess Powered by Evolution-Data Optimized (EV-DO): EV-DO technology is a third-generation cellular service that provides users with typical download speeds of 400-700 Kbps and bursts of up to 2.0 Mbps. EV-DO is a CDMA technology that is backward compatible with the existing NationalAccess network, based on 1xRTT technology, so subscribers who travel outside a BroadbandAccess coverage area with an EV-DO device can seamlessly switch to our NationalAccess network, for national connectivity.

- GSM Coverage: Verizon offers GSM service that is available in more than 10,000 cities nationwide. Adopted by 205 countries, GSM is the most widely used digital wireless standard in the world with more than 1 billion subscribers. GSM’s proven, feature-rich digital technology provides customers with integrated voice, high-speed data, paging, and Short Message Service capabilities, as well as excellent sound quality and call reliability. The well-developed network ensures that all calls and messages are processed quickly with superior sound quality, including crisper, clearer voice quality and less static, fading and background noise.
• **General Packet Radio Service (GPRS):** Verizon also offers GPRS, a standardized packet-switched data service that is an extension of the GSM architecture—in other words, GPRS is what makes the Internet wireless. The GPRS standard uses upgraded radio base stations linked to a new network based on packet technology. With circuit switched networks, the user dials the required number and the network connects the call, allocating a circuit between the two parties until the call is ended. Packet technology enables the user to be connected to home carrier data services via the subscriber’s handset, PDA or laptop, and then send and receive data as required throughout the day. T-Mobile’s 2.5G GPRS network is only used when data is being transmitted, but the user retains a virtual connection to the chosen computer network throughout the day.