

# ARDIS

## The Nation's Largest Wireless Data Network

### Network Infrastructure:

- ◆ 1,300 base stations are tied to a high-performance, nationwide telecommunications backbone.
- ◆ All landline circuits between the RF/NCPs and switches are digital T1 and T3 services monitored by AT&T and ARDIS, using the most sophisticated systems available. All digital circuits provide automatic re-routing and dial back-up capability, enabling superior network reliability.
- ◆ Virtually any information system can be extended to the wireless world because ARDIS supports a variety of industry-standard connectivity protocols.
- ◆ The health of the entire network is constantly monitored; any break in transmission is identified instantly, and data is immediately re-routed via redundant communication paths for absolute reliability.
- ◆ ARDIS' open network standards enable a wide selection of radio modems and radio-equipped portable computers from numerous manufacturers.

### Proven Disaster Recovery Response:

- ◆ The deployment of disaster-recovery equipment protects the ARDIS network in the event of a catastrophic failure. The ARDIS Lexington, KY, facility recently assumed full-scale operations during a simulated shutdown of facilities in Los Angeles and Chicago.

### Configuration:

- Data Transmission Rate**—4.8 Kbps, 19.2 Kbps
- Response Time**—4.8-Kbps transmission: 4-7 seconds;  
19.2 Kbps transmission: 3-6 seconds
- Packet Length (max.)**—240 characters (average packet length is 118 characters)
- Protocol Supported**—SNA, LU6.2, X.25, LU0, Async, and Bi-Sync point-to-point
- Frequency Range**—800 MHz
- Channel Spacing**—45 MHz
- Number of Channels**—The number of channels varies by location from 1 to 10

### Coverage:

- ◆ More than 90% of all U.S. business activity.
- ◆ More than 400 metropolitan areas and more than 10,700 cities and towns.
- ◆ More than 80% of U.S. population.
- ◆ In-building, on-street, and in-vehicle.