

# Emerging Data Trends in the Wireless Industry



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<b>Course Length</b>	1 day
<b>Course Code:</b>	NFSEDT1
<b>Prerequisites</b>	None, however it is helpful if the student has a basic understand of data and wireless technologies.
<b>Course Overview:</b>	This course is designed to introduce the student to the major technologies being utilized by wireless carriers to transport data services. The primary focus is on the two major competing carrier-based technology systems: CDMA and GSM, but TDMA is briefly discussed.

*\*This course can be customized or combined with other material to meet specific requirements*

*\*Additional days can be added for advanced hands-on applications*

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## Course Outline

### Wireless Data Overview

- Wireless applications
- Trends/Drivers
- Basic speeds/abilities
- The race for speed
- Industry acceptance
- Current service providers

### Transport Systems

- Brief background review
- CDMA
- GSM/PCS
- TDMA

## **CDMA Based Technologies**

- CDMA 2000
- 1xRTT/CDMA2000 1x
- EV/DO
- EVDV
- Potential next steps
- Upgrading existing systems

## **GSM Based Technologies**

- GPRS
- EDGE
- UMTS
- W-CDMA
- Potential next steps
- Upgrading existing systems

## **TDMA Based Technologies**

- Reality of a dying technology
- Next steps for TDMA based carriers

## **Available Products and Trends**

- Handsets
- Data Connectivity Kits
- Air Cards
- PDAs
- Pocket PCs

## **Applications and Services**

- Business
- Personal
- Questions to ask when purchasing service
- Current prices and packages

## **Comparison to other Technologies**

- Wi/Fi (802.11x)
- Bluetooth

## **The Future**

- Next steps
- Potential technologies and services