

# **Nextel Network Update for GNYHA**

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**NEXTEL**

# Network Capabilities

**Nextel's integrated voice and data network provides the following services:**

- 100% Digital Cellular Voice Communications
- Digital Two-Way Radio Communications (Direct Connect<sup>®</sup>)
- SMS Messaging (One and Two-Way)
- No Roaming Charges within the US

# Nextel Technology Differentiators

## Most mature and robust national data network in the U.S.

- Most competitors have “spotty” data coverage via a patchwork of different technologies

## Direct Connect

- Only carrier with Direct Connect<sup>®</sup> walkie-talkie feature: evolving to nationwide in '03

## Java 2 Micro Edition (J2ME)

- First US carrier to launch wireless Java - download applications to the phone over-the-air
- Run applications on the phone

# Nextel Network Upgrades for 2003

## System Release 9.8

- Allow for Direct Connect “Roaming” from market to market

## ‘.1’ Upgrade

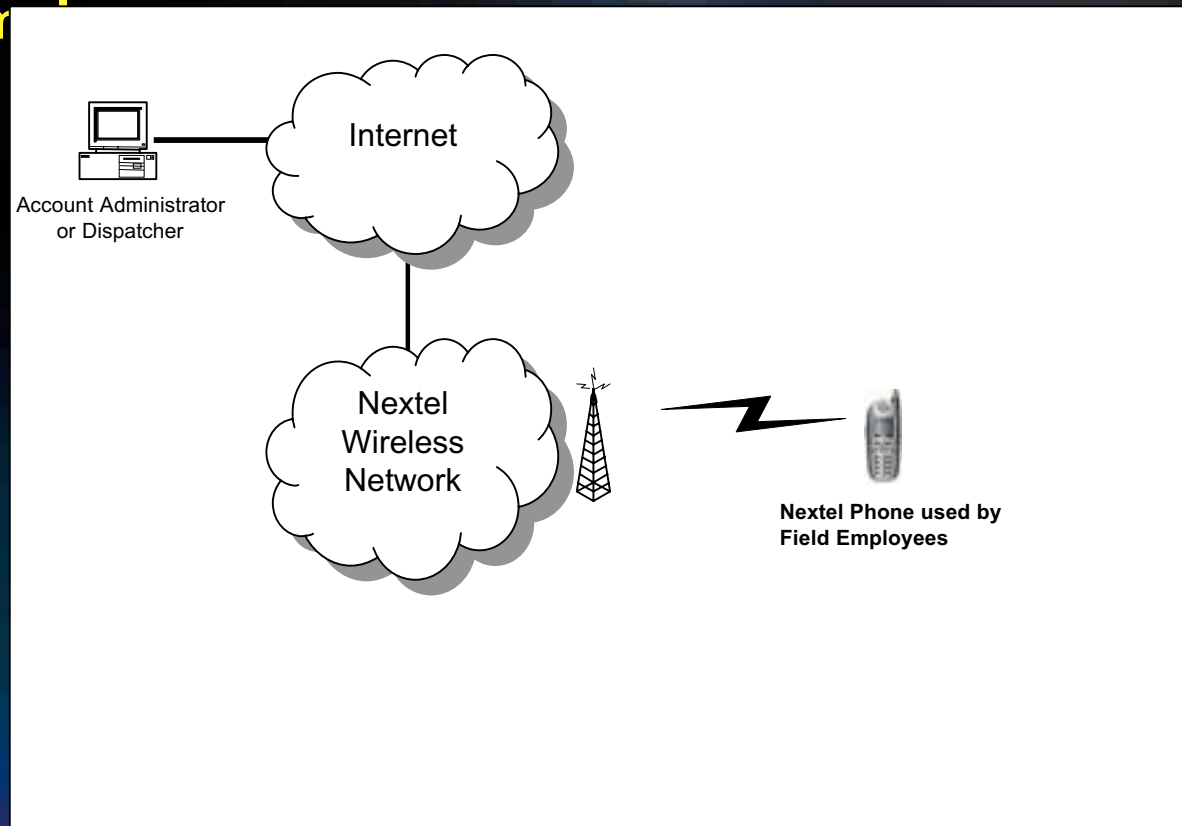
- Allows utilization of Cellular Assisted GPS for E911
- Mobile Location Server installed

## System Release 10.0

- Allows Nationwide Direct Connect Feature

# NOL Mobile Locator: Product Description

**NOL Mobile Locator is a web-based mapping application that allows dispatchers or account administrators to locate handsets used by field employees.**



# GPS HANDSETS




 

Position Last Fix  
8:00PM 3/12  
Position  
**N 38°51.360'**  
**W 094°47.941'**  
Sats Viewed 4  
Est Accur 50 Ft

BACK      RFRSH

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# NATIONWIDE DIRECT CONNECT: PHASE 1



*Allows registered subscribers to travel to any other market and initiate/receive Direct Connect private calls with subscribers physically in that market.*

National Roll Out  
complete by 4/03

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# NATIONWIDE DIRECT CONNECT: PHASE 2



End of 2003

# Security – Voice and Installations

♣ Nextel's network technology (iDEN) provides intrinsic security due to sophisticated timing, digital encoding, and multiplexing



♣ All of Nextel's network elements (voice and data), e.g. towers, switching centers, network centers, etc., are all physically secure and under controlled access.



# Nextel has a mission-critical data network today!

**Nextel's digital wireless packet data network has been operational for almost 3 years and is available nationwide supported by every one of the network's over 19,000 cell sites.**

- Cisco-based Mobile IP network with an ATM backbone
- Application connectivity (TCP/IP & UDP)
- Supports a variety of connectivity options (Frame Relay, T1 or Fractional T1)
- Data speeds of 14.4 KBPS – 22 KBPS
- One single, integrated digital nationwide footprint
- Data acceleration: optimization and compression to deliver equivalent data speeds to 56Kbps

# *RIM BlackBerry* **Integrated PDA**

## **Product Description**

- Provide fully integrated data and voice device
- Platform for mobile office and remote workforce data application deployment

## **Features**

- Cellular and Direct Connect
- Full Packet Data Access
- Java Application Environment
- Blackberry E-mail, contacts, calendar
- Fully Secure (128 bit encryption)

**Commercial Launch: Dec 1 '02**



# Questions and Answers