



**Information  
Assurance**



**Secure  
Wireless**



**Secure  
Messaging**



**IT  
Solutions**

# Emerging Maintenance Technologies

How Wireless Technology  
Enhances Aircraft Maintenance

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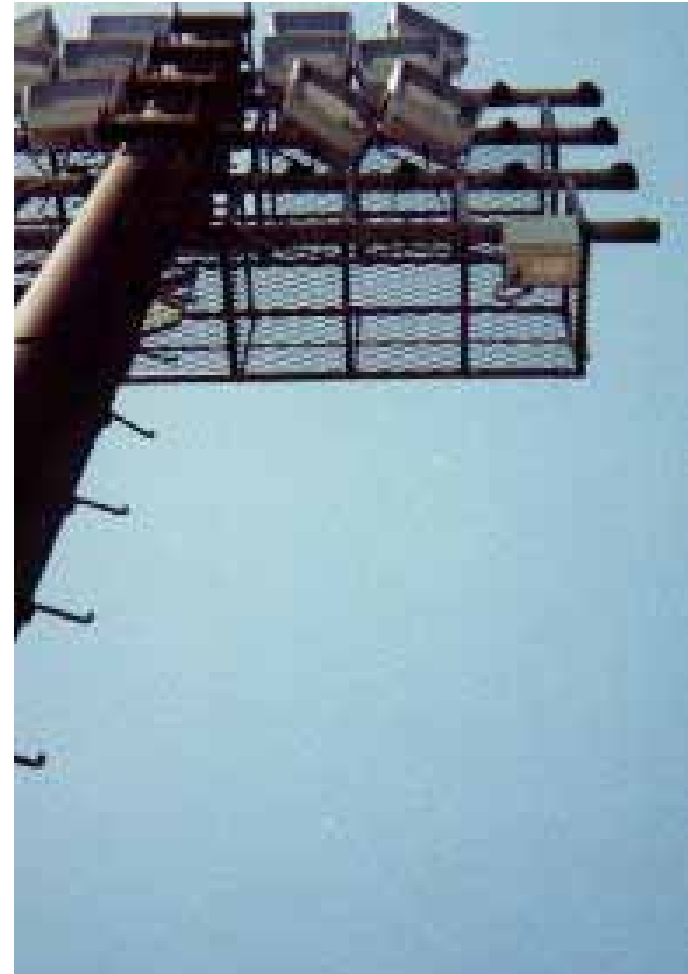
# On The Flightline



- Radio Frequency (RF) Local Area Network (LAN)
- Places on-line information and access on the flightline and in other areas where it was historically unavailable



# Extending the Reach of the Enterprise



# Taking Your Network With You





# Extending the Capability World-Wide

- Complete, Integrated Wireless LAN System
  - Server
  - VPN
  - Router
  - Switch
  - Built-in Monitor
- FIPS 140-2 Security
- Options for:
  - Mobile WLAN Extension
  - T1 Satellite Reach-back
  - Dial-up/ISDN Connectivity
  - Voice over IP



# Programs Implemented



- Interactive Electronic Technical Manuals
- Digital Tech Orders
- Air Force CAMS/G081 Data Access
- Supply Asset Tracking System (SATS)
- Combat Ammunitions Systems (CAS)
- Global Air Transportation Execution System (GATES)
- Mobility Inventory Control Accounting System (MICAS)
- Medical Logistics
- Campus/Base-wide Wireless

# Where Can We Take It



- Currently Implementing
  - 802.11 BASED Wireless LAN – Primarily Data
    - NIPRNet and SIPRNet
    - Fixed and Deployed
  - Reaching back through SATCOM
- Possibility in very near future
  - 802.11 and 802.16 based integrated systems
  - Total IP Based Solution for:
    - Voice
    - Messaging
    - Data
    - RFID – Asset Tracking/Asset Location
    - Video Surveillance/Video Teleconferencing
    - Tactical DMS/AMHS
- EXTENDING THE REACH OF THE ENTERPRISE WORLDWIDE



**Thank You**