

# Corporate Capabilities Overview

**Network Engineering, Management,  
Telecommunications, Information Assurance/  
Information Security, Software Development**



**A Service Disabled Veteran Owned  
Small Business**

**FEDERAL DATA SYSTEMS**  
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# Network Engineering Fact Sheet...

## Network Engineering, Management and Telecommunications Capabilities

FDS provides award-winning Engineering services in four unique disciplines: Network Lifecycle Management, LAN/WAN/MAN Design and Implementation, Enterprise Network Management, and Disaster Recovery/Continuity of Operations Services.

### Network Life Cycle Management

- Requirements Definition
- Proof of Concept Development
- Design and Installation
- Asset Tracking
- Performance Baseline Testing
- Support services on-site or on-call
- Coordination with OEMs
- Change Control Process Development
- Technology Refresh Planning and Execution

### Disaster Recovery and Continuity of Operations

- Mission critical zero-downtime requirements (COOP)
- Near time “no lost cycles” requirements (Business Continuity)
- Zero data loss recovery after catastrophic event (Disaster Recovery)
- Identification of continuity/relocation sites
- Multiple levels of data integrity: tape, optical disk, RAID, network attached storage, storage area networks (SANs)
- Offline, near line, and online storage depending on time sensitivity
- Offsite data archiving services
- Vendor neutral/ best fit recommendations
- Continuity integration with enterprise network management and security concerns
- Not just systems: development of Standard Operating Procedures (SOPs) for users in case of data loss event

### LAN/WAN/MAN Design and Implementation

- All levels of DoD classification
- Cutting edge wireless (802.11 a/b/g/n, Microwave, Non-terrestrial, WiMAX, LTE)
- High speed ( $\geq 10$ Gbps) backbones
- High availability (“five 9’s”)
- Scalable design to allow for future growth
- Custom design to meet unique or unusual requirements
- Type-1 encryption network integration subject matter experts
- Provider technologies (MPLS, IPSec)
- Vendor neutral/ best fit recommendations
- Compliant with DoD and Federal Civilian security guidelines

### Enterprise Network Management

- Single web enabled management portal for all management concerns: Windows Systems, UNIX Systems, Linux Systems, LAN, WAN, Users, Security, Storage
- Experience with a broad range of Network Management software
- Granular reporting based on area of interest
- Security Operations Center (SOC) design/build Network Operations Center (NOC) design/build
- Enterprise network performance data in real time across entire network

### Federal Network Engineering, Management, and Telecommunications Customers

- Army (ITA, Corps of Engineers)
- Washington Headquarters Services
- Department of Commerce
- EMC<sup>2</sup>
- Department of State

# Information Security/ Information Assurance Fact Sheet...

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## IS/IA Capabilities

FDS provides award-winning Information Assurance and Information Security services in four unique disciplines: Strategic Risk Management, Data Forensics, Security Engineering, and Security Integrated Information Lifecycle Model Development.

### Strategic Risk Management

- Integrated Threat Analysis
- Information Privacy Policy development
- Audit preparation/compliance
- DoD 5220.22-M (NISPOM compliance)
- IAVA compliance / auditing
- HSPD12 Compliance
- FISMA Compliance
- DITSCAP Documentation
- Continuity of Operations Planning
- Disaster Recovery Planning

### Data Forensics

- Recovery of electronic information from passive and active media
- Data loss investigations
- Data destruction
- Red Team Reviews
- Data recovery oversight and auditing
- Data handling procedure development

### Federal Information Security Customers

- Internal Revenue Services (IRS)
- Bureau of Indian Affairs (BIA)
- Department of the Interior
- U.S. Census

### Security Engineering

- All levels of DoD classification
- Intrusion Detection Design
- Intrusion Detection Monitoring
- Penetration Testing
- Vulnerability Analysis
- Malware analysis
- Patch Management
- PKI Integration
- STIG Deployment Watch Operations
- NOSC Management and Monitoring
- Content Management

### Security Integrated Information Lifecycle Model Development

- Encryption at rest
- Encryption during transfer
- Type 1 encryption design
- Information lifecycle process design and management
- Data modeling
- Data vulnerability analysis
- Data capacity planning

# Software Development Fact Sheet...

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## Software Development Capabilities

FDS provides award-winning software development services in three unique disciplines: Software Development Lifecycle Support (SDLC), Enterprise Information Portals, and Database Management Services.

### Software Development Lifecycle Support

- Requirements Analysis
- Applications Design and Development
- Testing and IV&V
- Release Management
- Data Warehousing
- Software Operations Support

### Database Management Services

- Database Analysis, Design, and Development
- Backup and recovery Planning; Performance Tuning
- Database Management and Migration/Conversion
- Oracle Forms and reports development capabilities
- SQL Server Stored Procedures
- Administrative services including patches and upgrades

### Enterprise Information Portals

- Industry leading platforms (JBoss, SharePoint, Weblogic)
- Custom portlet development
- Integration with existing applications
- Integration with back-office functions (email, file shares, Geographic Information Systems)
- Data bus design and deployment
- Portal infrastructure design and scaling
- Portal infrastructure operations
- Requirements gathering and analysis
- Certification and Accreditation (C&A) preparation
- Flexible content management system to manage user created content
- Rich collaboration including voice and video
- Workflow design and deployment
- Two factor authentication (CAC, Smartcards, RSA tokens)

### Federal Software Development Customers

- Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)
- U.S. Army (ITA)