

GSA FAS
Transition Summit
September 6-7, 2006
Reston, Virginia

TAKING TIME to TRANSFORM

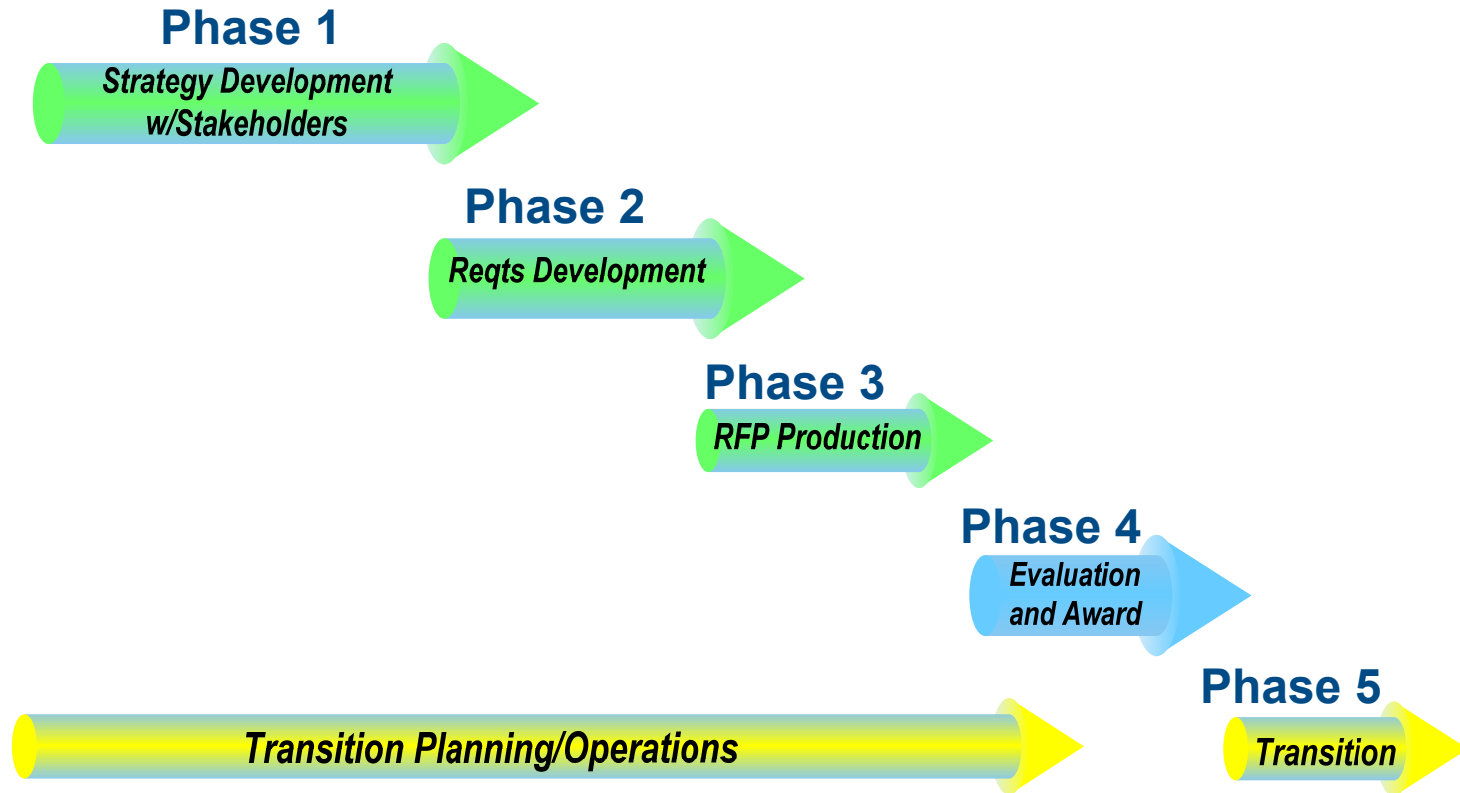
Networx Overview

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September 6, 2006

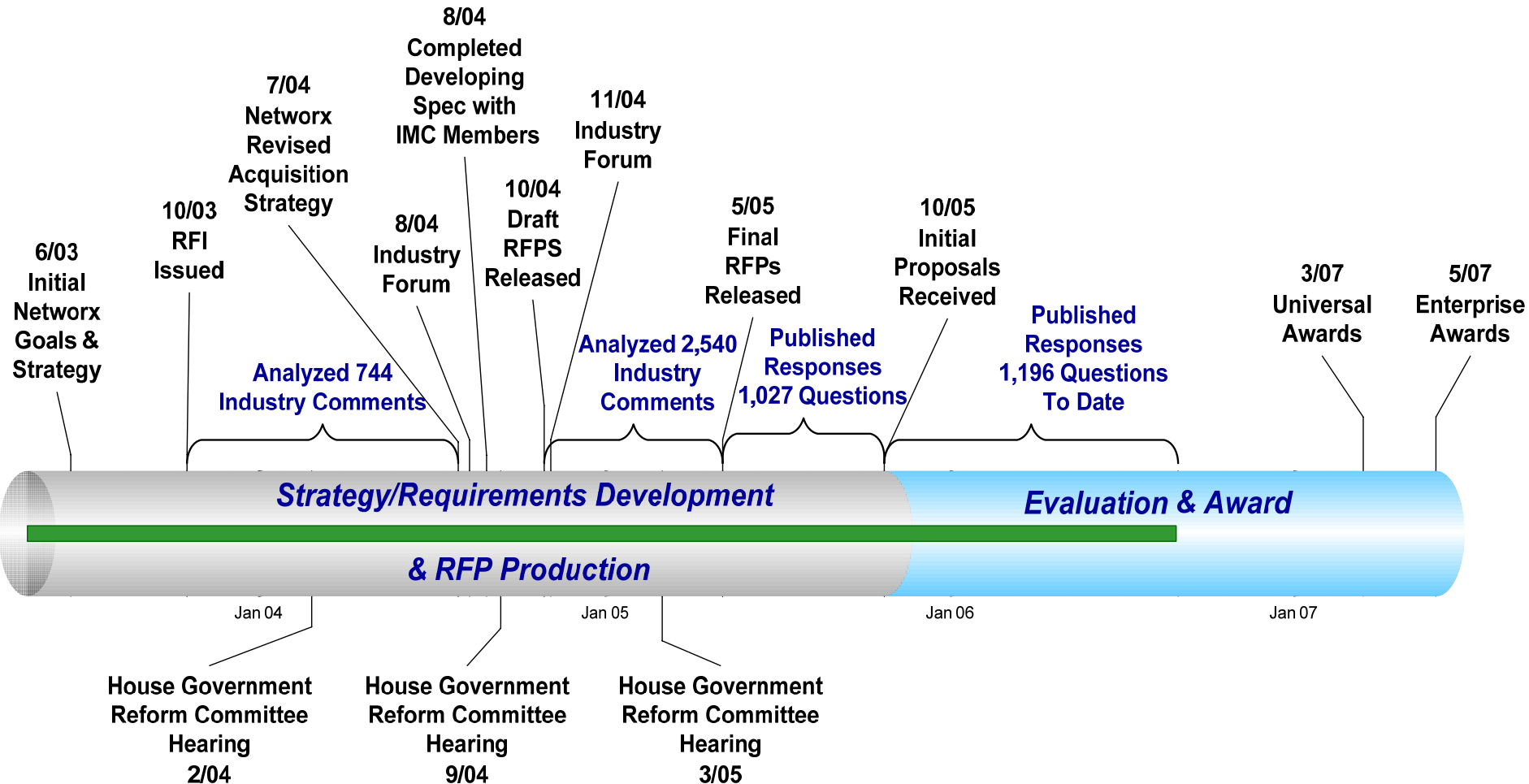
Networx – Program History

- Networx is the third in a series of major competitive telecommunications programs
- FTS2001 provides eight-year pricing that has saved over \$3 billion to date
- Networx projected revenue - \$20 billion over 10 years

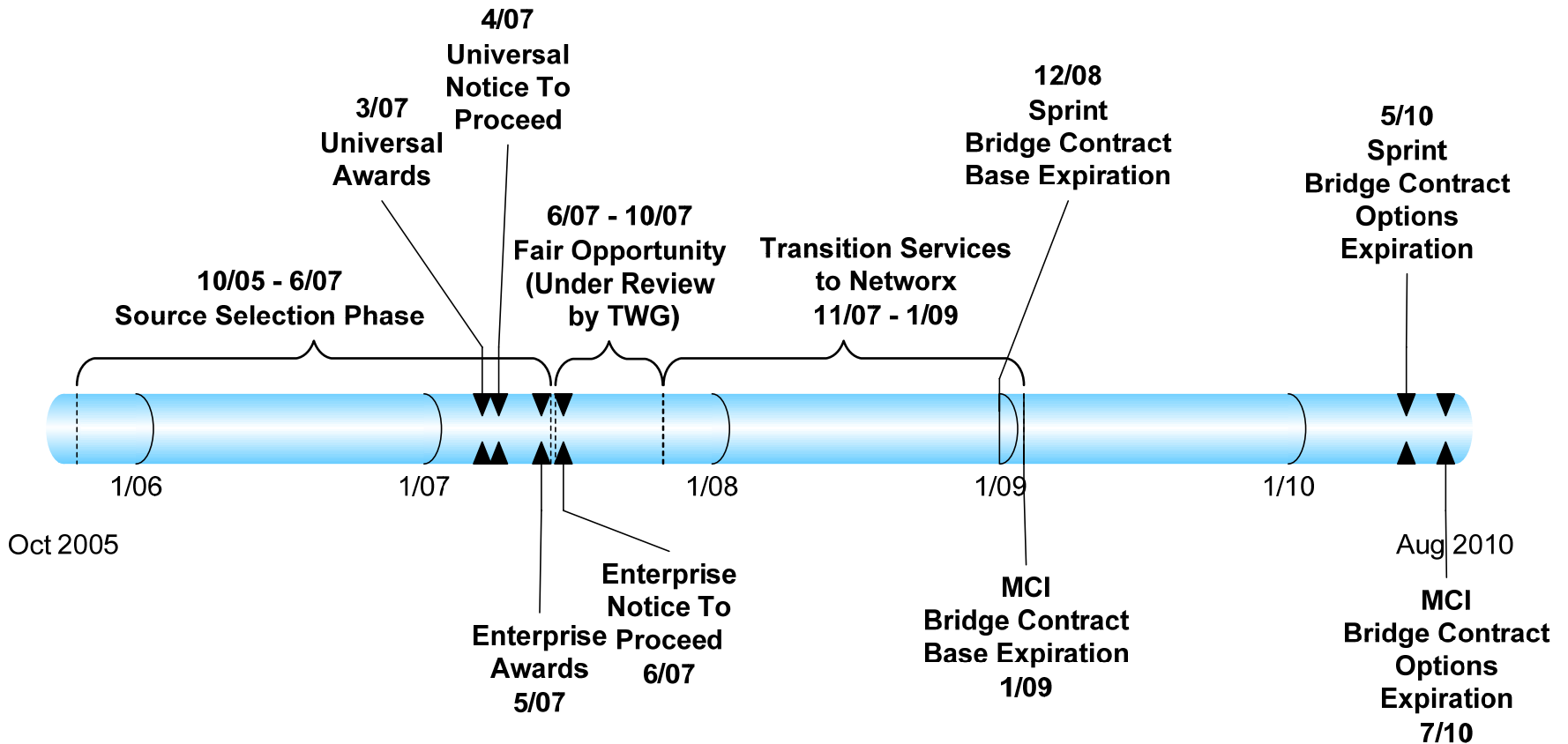
Network – Five Phases



Network - Historical Perspective



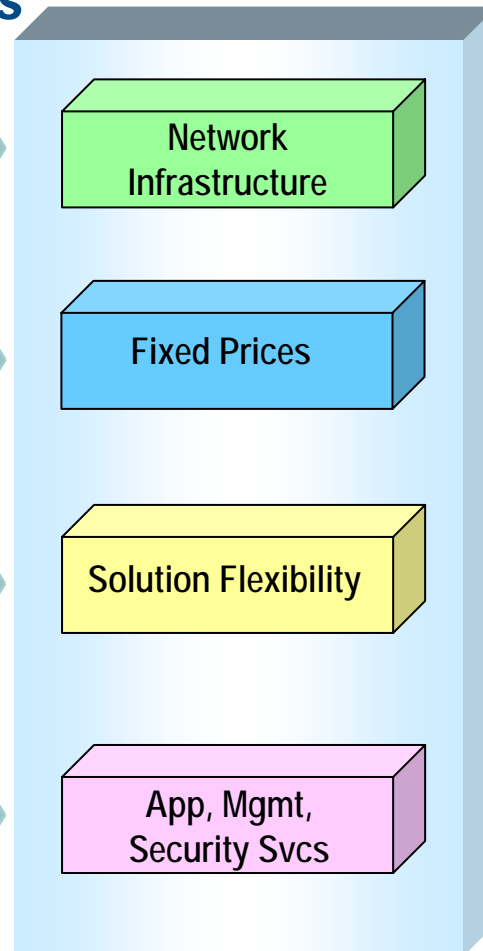
Networx - The Program Plan



Network – Flexibility Agencies Want

Agency Requirements

- Transport, Access
- Continuity
- Wide range of options
- Metrics/SLAs
- Predictable Prices
- Best available pricing
- Ease of use
- Flexibility for Agency-specific needs
- Embedded Security
- Network based applications

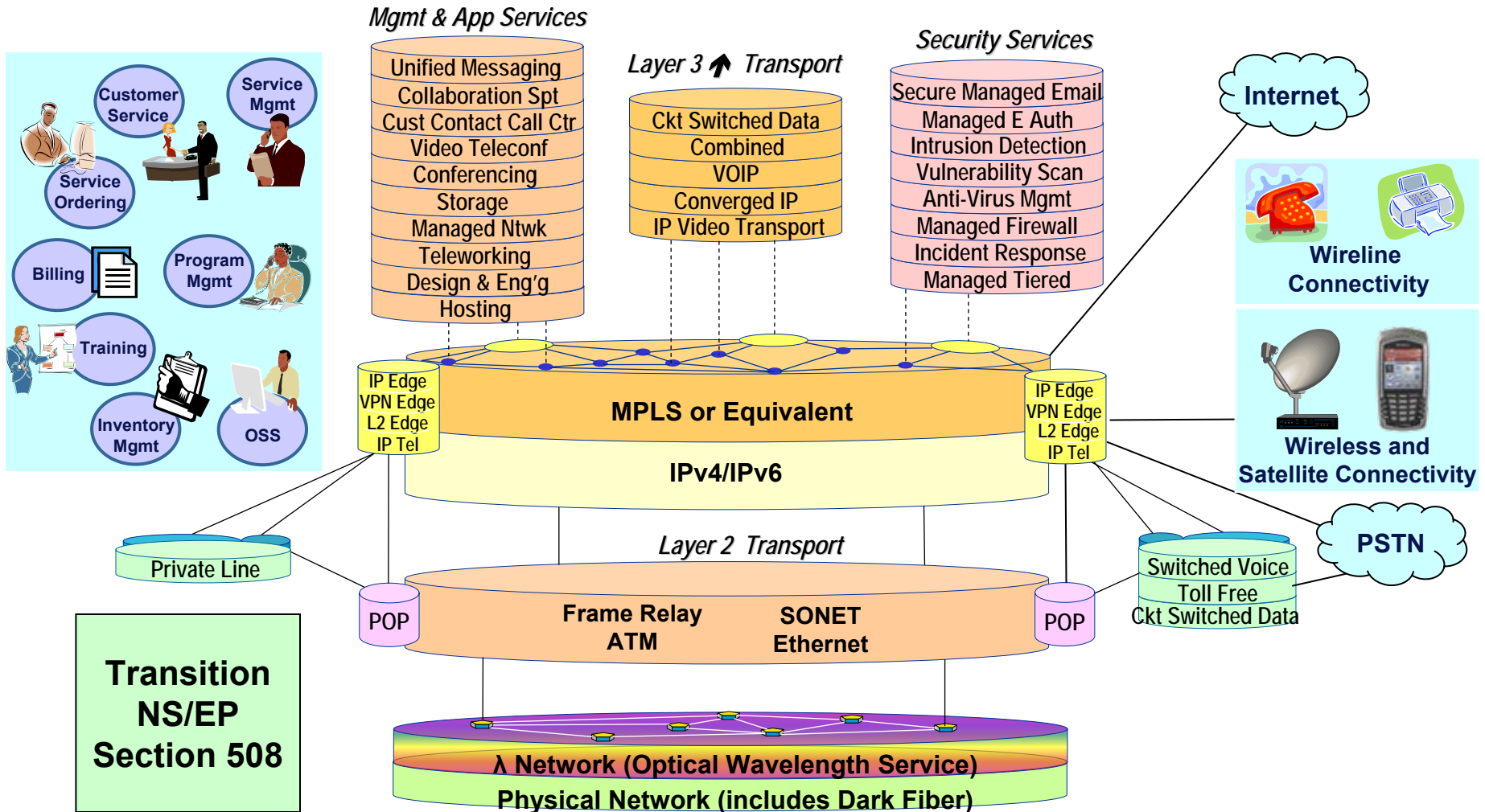


Network Solutions

- Legacy and leading edge technologies (31 services)
- Includes wireline, IP, optical, wireless, and satellite
- Over 7000 fixed price CLINs
- Simple buys (CLIN-based)
- Complex task orders
- Traditional, managed, custom solutions
- Full range of network security options (8 services)
- Traditional and web-based apps (13 services)



Networkx - Program Architecture



Network – Universal

Universal		
<p><u>Telecommunications Services</u></p> <p>Communications Transport</p> <ul style="list-style-type: none"> - Voice - Circuit Switched Data - Toll-Free - Combined - Private Line - Frame Relay - Asynchronous Transfer Mode - Ethernet <p>IP-Based</p> <ul style="list-style-type: none"> - Premises-Based IP VPN - Network-Based IP VPN - Voice over IP Transport - Content Delivery Network - Converged IP - IP Telephony - Internet Protocol - Layer 2 VPN - IP Video Transport <p>Optical</p> <ul style="list-style-type: none"> - Synchronous Optical Network - Optical Wavelength - Dark Fiber 	<p><u>Management & Application Services</u></p> <ul style="list-style-type: none"> - Video Teleconferencing - Managed Network - Audio Conferencing - Teleworking Solutions - Call Center/Customer Contact Center - Web Conferencing - Dedicated Hosting - Collocated Hosting - Storage - Customer Specific Design and Engineering - Unified Messaging - Collaboration Support - Internet Facsimile <p><u>Access Services</u></p> <ul style="list-style-type: none"> - None 	<p><u>Security Services</u></p> <ul style="list-style-type: none"> - Managed Firewall - Intrusion Detection and Prevention - Managed E-Authentication - Vulnerability Scanning - Anti-Virus Management - Incident Response - Secure Managed Email - Managed Tiered Security <p><u>Special Services</u></p> <ul style="list-style-type: none"> - Land Mobile Radio - Mobile Satellite - Fixed Satellite <p><u>Wireless Services</u></p> <ul style="list-style-type: none"> - Cellular/PCS - Multimode Wireless - Cellular Digital Packet Data - Paging

- Full range of services
- National and international coverage
- Strong competition for best prices
- Ensures continuity of current service
- Length: four year base with 3 2-year options
- Multiple awards
- MRG - \$525M

Note: Services in green are optional.

Network - Enterprise

Enterprise (IP-Based)

Telecommunications Services

Communications Transport

- Voice
- Circuit Switched Data
- Toll-Free
- Combined
- Private Line
- Frame Relay
- Asynchronous Transfer Mode
- Ethernet

IP-Based

- Network-Based IP VPN
- Voice over IP Transport
- Internet Protocol
- Premises-Based IP VPN
- Content Delivery Network
- Converged IP
- IP Telephony
- IP Video Transport
- Layer 2 VPN

Optical

- Synchronous Optical Network
- Optical Wavelength
- Dark Fiber

Management & Application Services

- Customer Specific Design and Engineering
- Managed Network
- Audio Conferencing
- Teleworking Solutions
- Call Center/Customer Contact Center
- Web Conferencing
- Dedicated Hosting
- Collocated Hosting
- Storage
- Video Teleconferencing
- Unified Messaging
- Collaboration Support
- Internet Facsimile

Access Services

- Wireline Access
- Broadband Access
- Wireless Access
- Satellite Access

Security Services

- Managed Firewall
- Intrusion Detection and Prevention
- Managed Tiered Security
- Anti-Virus Management
- Managed E-Authentication
- Vulnerability Scanning
- Incident Response
- Secure Managed Email

Special Services

- Land Mobile Radio

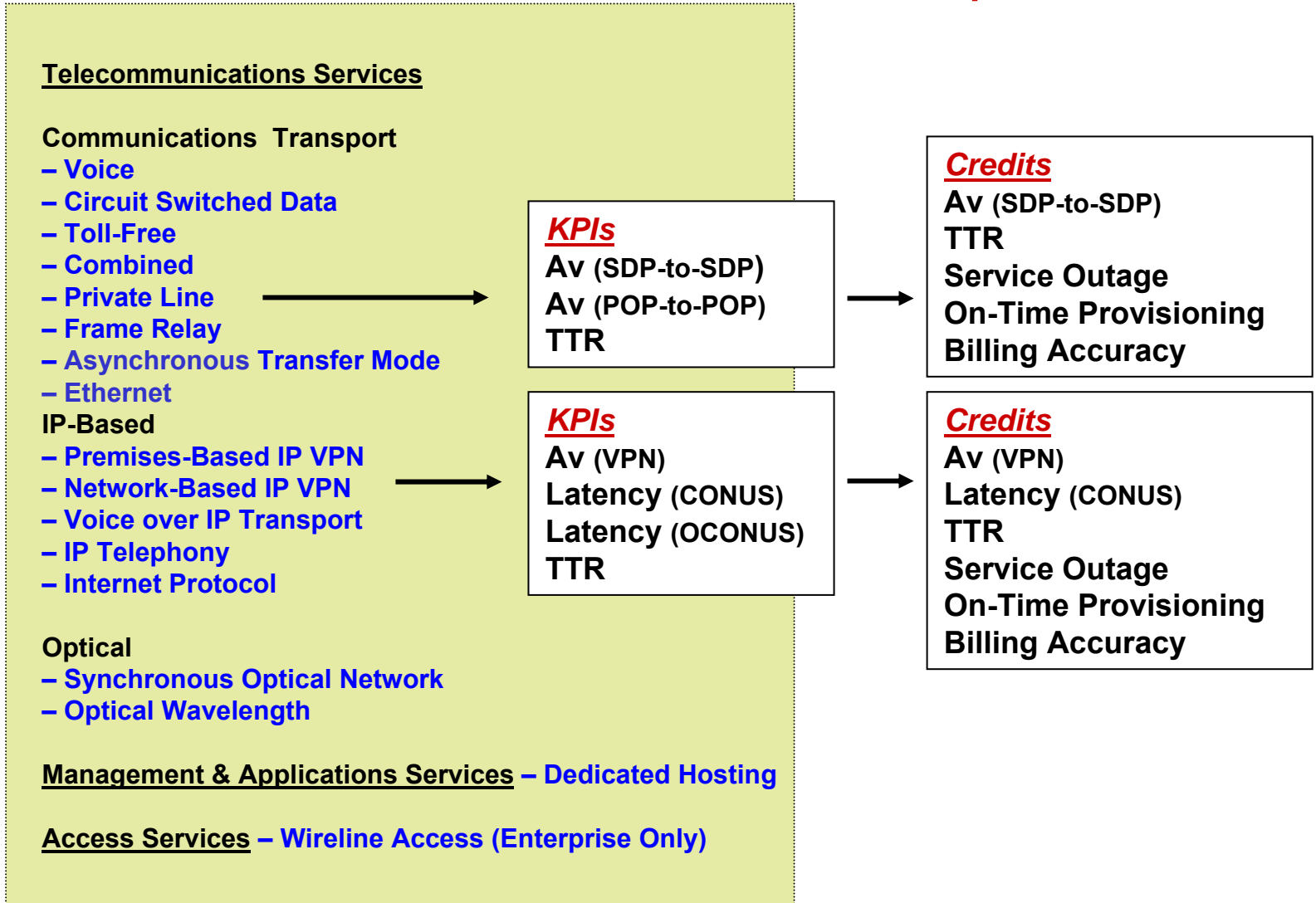
Wireless Services

- Cellular/PCS
- Multimode Wireless
- Cellular Digital Packet Data
- Paging

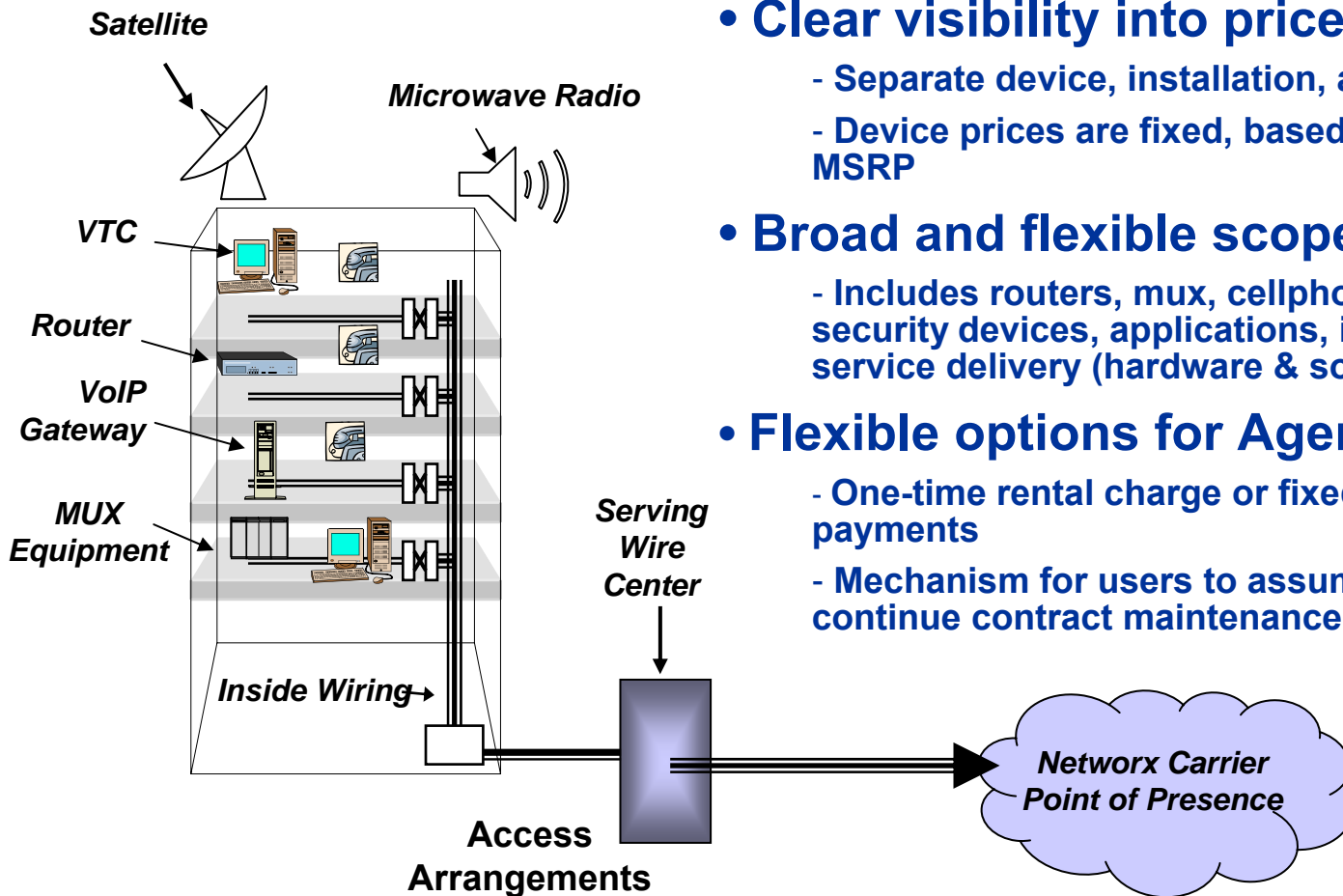
- **Minimum requirements - must offer either nine mandatory services for secure, IP, managed network solutions or Cellular/PCS Wireless**
- **May offer wide range of optional services**
- **National coverage required; international coverage optional**
- **Length: four year base with 3 2-year options**
- **Multiple awards**
- **MRG - \$50M**

Note: Services in green are optional.

Network – Universal and Enterprise SLAs



SEDs - Enable Optimum Service Delivery

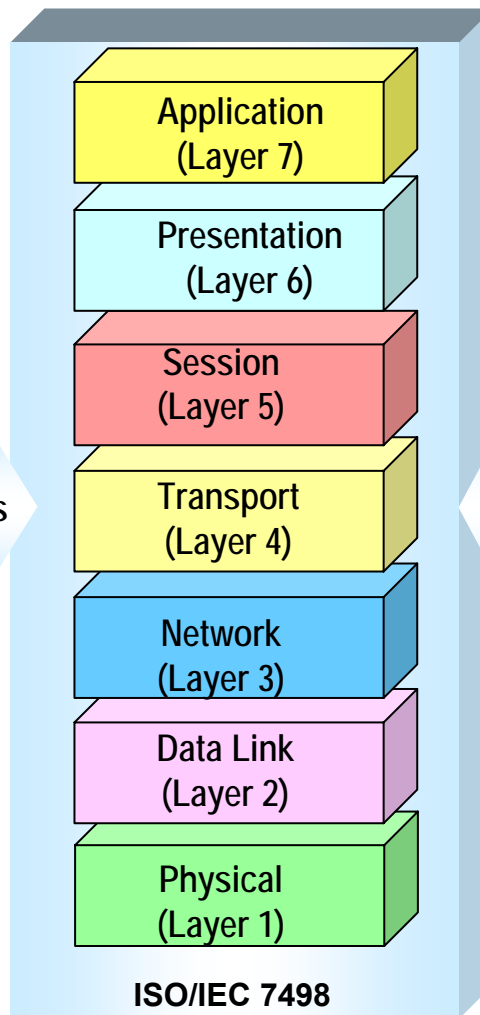
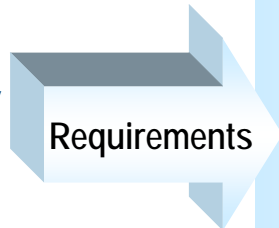


- **Clear visibility into prices and costs**
 - Separate device, installation, and maintenance prices
 - Device prices are fixed, based on discounts from MSRP
- **Broad and flexible scope**
 - Includes routers, mux, cellphones, IP phones, security devices, applications, i.e., devices needed for service delivery (hardware & software)
- **Flexible options for Agency customers**
 - One-time rental charge or fixed term monthly payments
 - Mechanism for users to assume ownership and continue contract maintenance

Network - Security & Defense in Depth

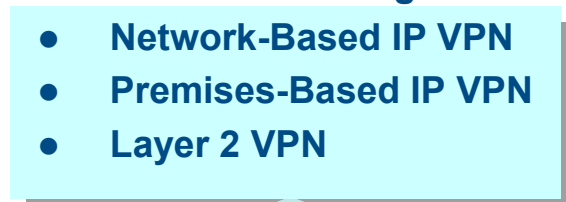
Network Protection Requirements

- Boundary Protection
- Authentication
- Authorization
- Confidentiality / Encryption
- Message Integrity
- Access Control
- Availability
- Nonrepudiation
- Malicious Code Filtering
- Audit & Monitoring
- Configuration Management & Assurance
- Access diversity

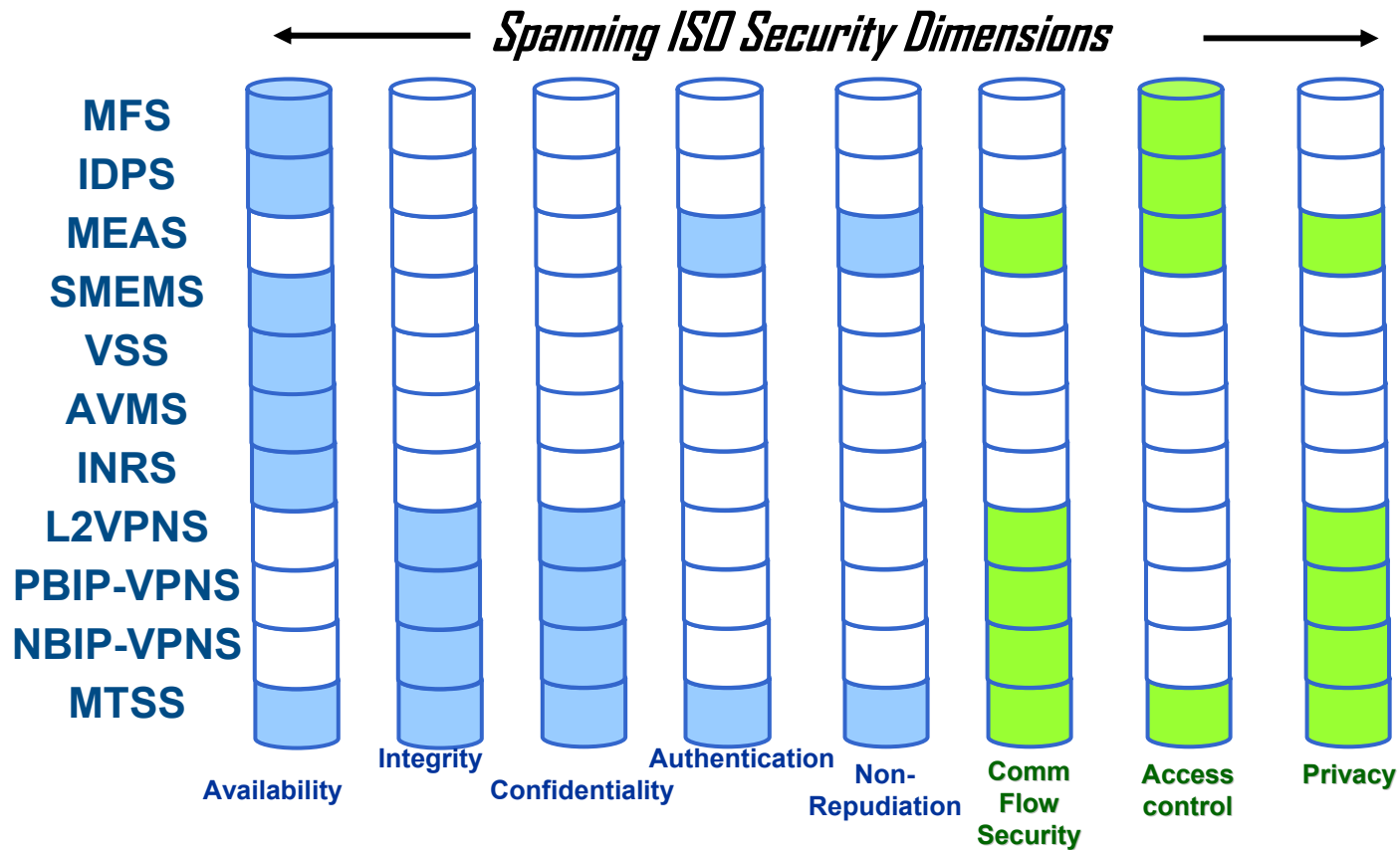


Network Services

- Managed Tiered Security Service
- Managed E-Authentication
- Vulnerability Scanning
- Incident Response
- Secure Managed Email
- Intrusion Detection and Prevention
- Managed Firewall
- Anti-Virus Management
- Network-Based IP VPN
- Premises-Based IP VPN
- Layer 2 VPN



Network Security Services & ISO Security



Blue = DOD IA Elements

Blue + Green = ISO/IEC 18028-2 Network Security Architecture, Reference Architecture for End-to-End Network Security



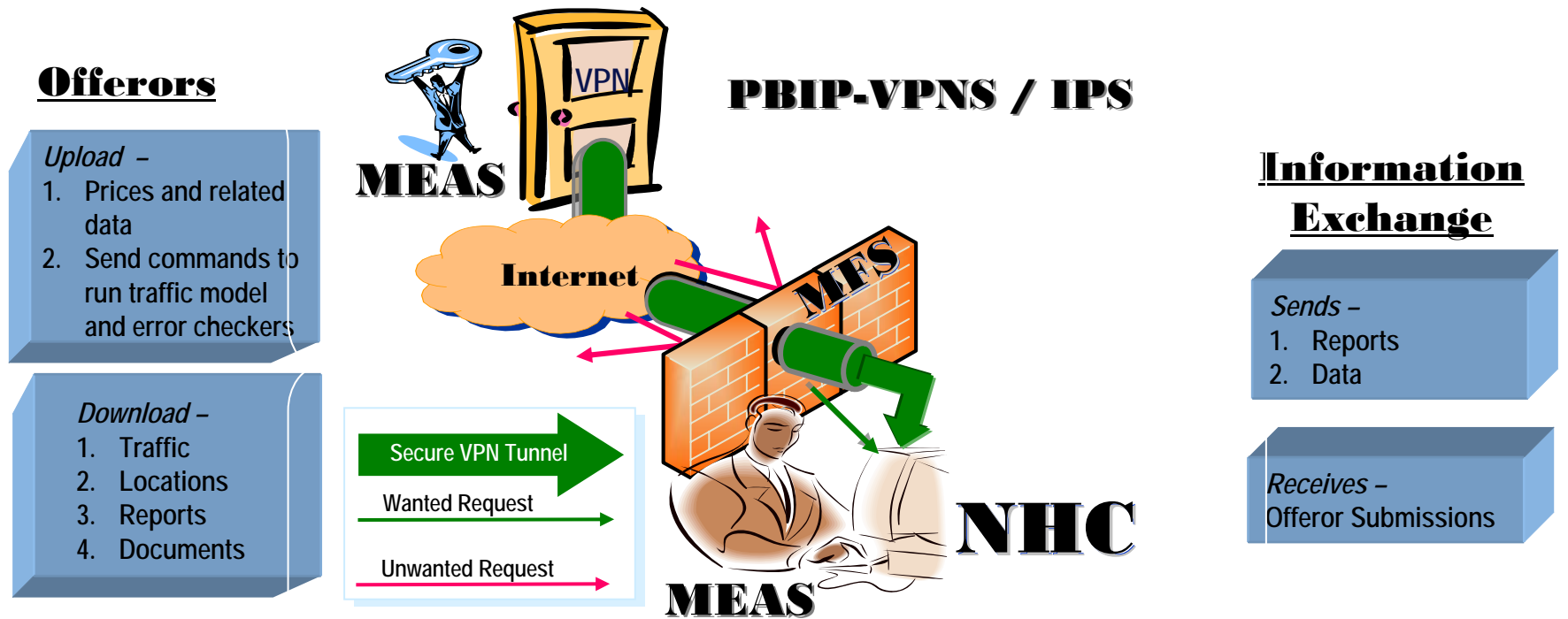
Network – Managed Tiered Security Service

Security Enhancement Services	MTSP Service Tiers			
	1	2	3	4
Agency Dedicated Help Desk	✓	✓	✓	✓
Anti-virus		✓	✓	✓
Firewall		✓	✓	✓
Intrusion Detection/Prevention		✓	✓	✓
Incident Response		✓	✓	✓
Packet Filtering		✓	✓	✓
Premises-based Virtual Private Network (VPN)		✓	✓	✓
Secure Managed Email		✓	✓	✓
Security Certification Support		✓	✓	✓
Security Maintenance		✓	✓	✓
Vulnerability Scanning		✓	✓	✓
Proxy Server		✓	✓	
Agency Sponsored Type 1 Encryption			✓	✓
NSA Approved Multilevel Security Solution			✓	✓
Network Isolation (Air Gap)				✓

Network - Web Based Evaluation Process

- **State of practice, fixed price evaluation**

- Evaluate over 1.3 million price records worldwide using projected Agency traffic
- Documented requirements compliance
- Database foundation for post award support



Networkx - RFP Online Availability

- The Networkx RFPs as amended are accessible online at www.gsa.gov/networkx
- Additional data may be obtained, to include:
 - Networkx FAQ
 - Amendments
 - Networkx Hosting Center
 - RFP Question and Answers
 - Networkx Document Library

Access GSA Networkx website: www.gsa.gov/networkx ①

Select Networkx RFPs & Amendments ②

Doc ID	Name	Format	Size	Publish Date
FTS Networkx Universal RFP	Other	9805k		
FTS Networkx Universal RFP Amendment 0001	PDF	2191k	6/22/2005	
FTS Networkx Enterprise RFP	Other	8172k		

Select appropriate document ③ (i.e., RFP, section, amendment, etc.)

Networx - Transforming Government Networks

