

Department of Veterans Affairs



Program

VA Overview: Mission

- **Mission:** *"To care for him who shall have borne the battle and for his widow and his orphan."*
- **Vision:** We will strive to meet the needs of the Nation's veterans and their families today and tomorrow by:
 - Being Veteran Focused
 - Cultivating a Dedicated VA Workforce
 - Continuously Improving Service
 - Fostering Partnerships

VA Overview: Organization



Veterans Health
Administration

- 157 hospitals Nationwide
- One of the largest health care systems in the USA
- Conducts research and education
- Provides emergency medical preparedness

Veterans
Benefits
Administration

- Provides benefits/services to veterans
- 58 VA regional offices

National
Cemetery
Administration

- Burial benefits to veterans/eligible dependents
- Manages 120 National Cemeteries nationwide
- Administers the State Cemetery Grants Program

VA Overview: Facts about the VA

- The largest Hospital Network in the world
 - 57 Veterans Benefits Regional Offices
 - 9 Lines of Business
 - 155 Hospitals
 - 881 Points of Service
 - 135 Nursing Homes
 - 125 National Cemeteries
 - 26 Million Veterans
 - 240,000 Employees

Budget	
<u>Program</u>	<u>2007 Enacted</u>
Medical	\$34,877,890,000
Benefit	\$42,874,244,000
Cemetery	\$160,747,000
Construction	\$714,937,000
IT	\$1,213,820,000
All Other	\$383,546,000
Total	\$80,225,184,000

VA Internet2 Program: Mission

Create a Next Generation Network (NGN) environment to facilitate the identification, selection and demonstration of applications and capabilities that will improve the Department's ability to meet its overall mission and objectives.



VA Challenges

Infrastructure

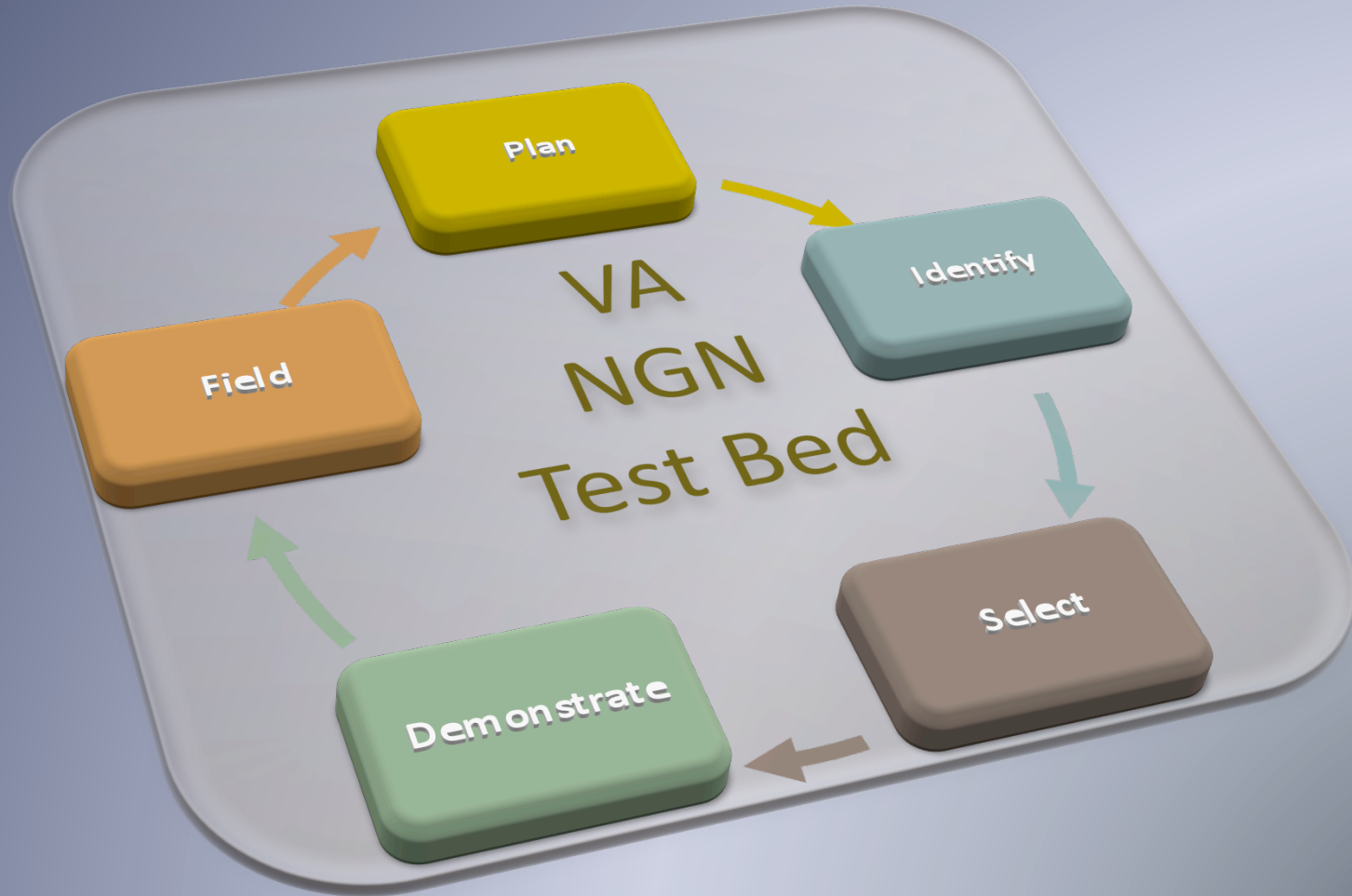
Bandwidth

Security

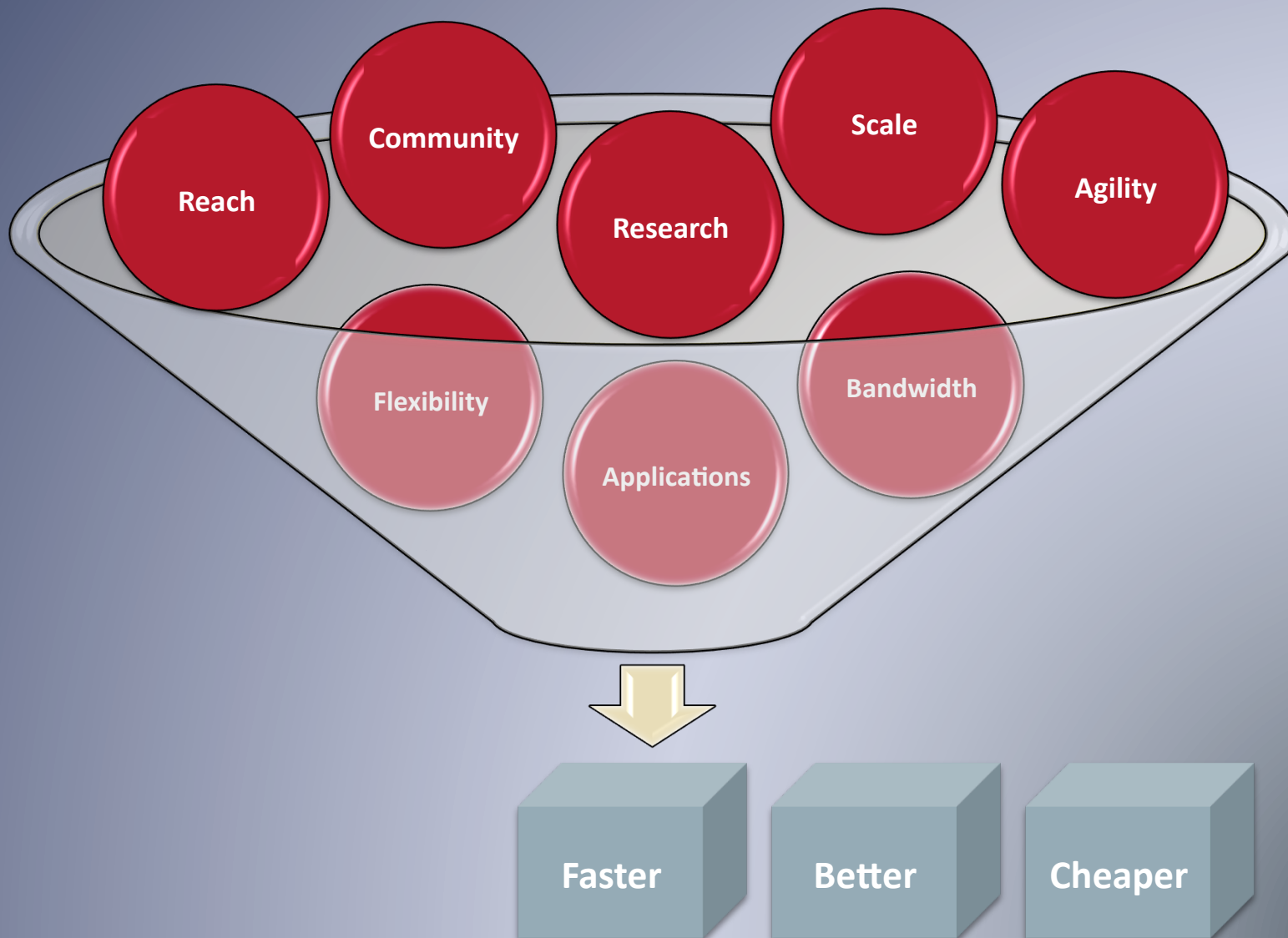
Data Integrity

Participation

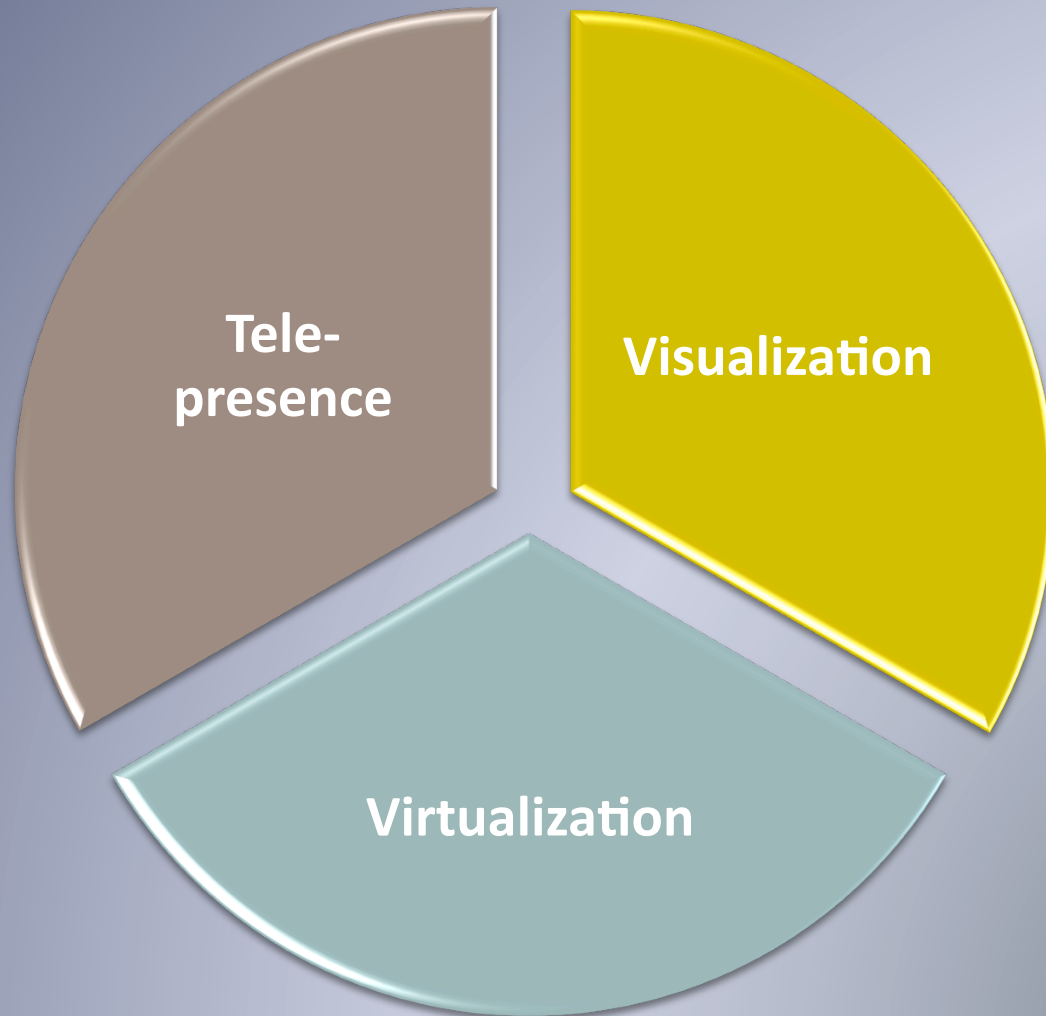
VA Internet2 Program: Approach



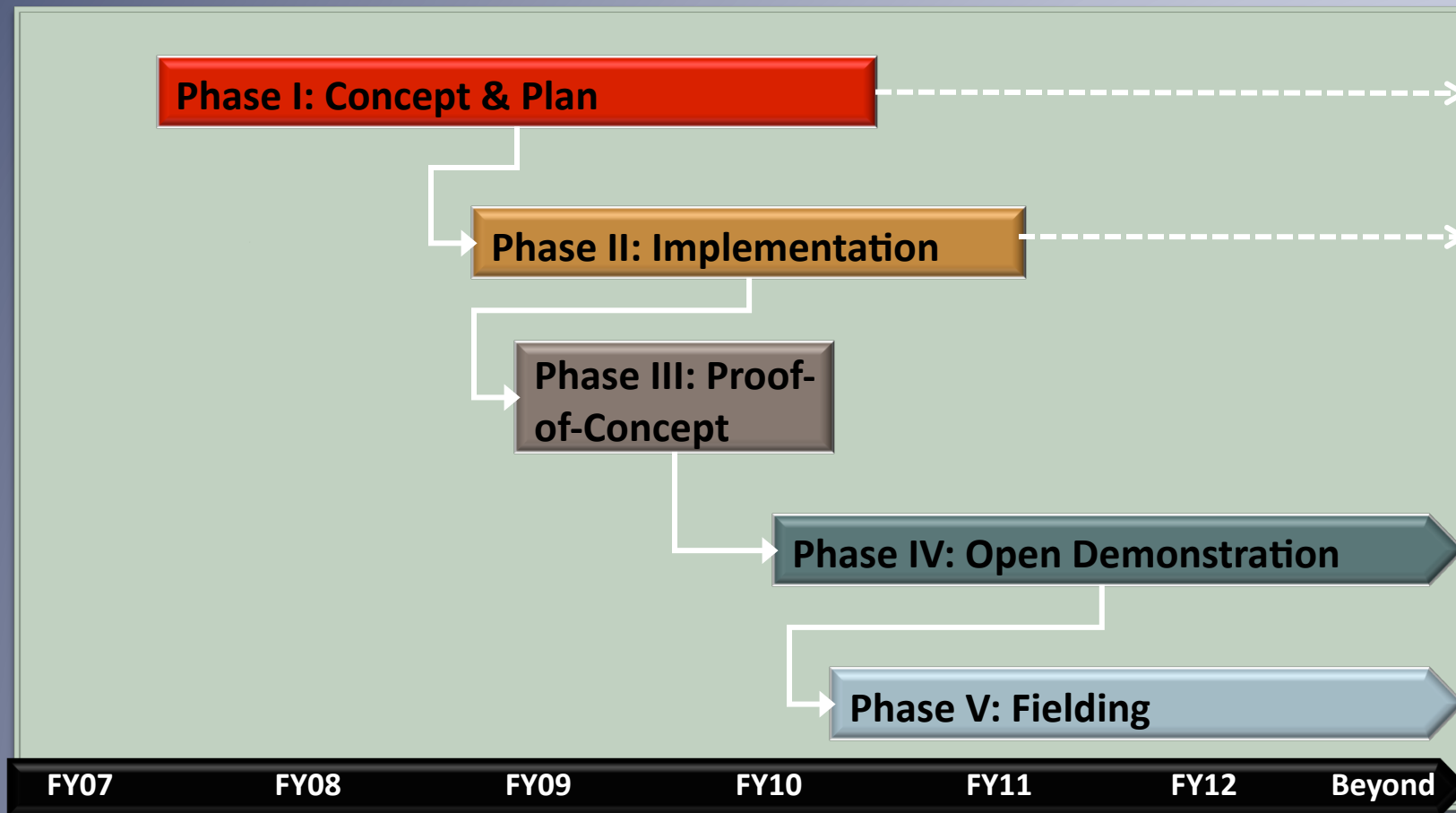
VA Internet2 Program: Benefits



VA Internet2 Program: Application Categories

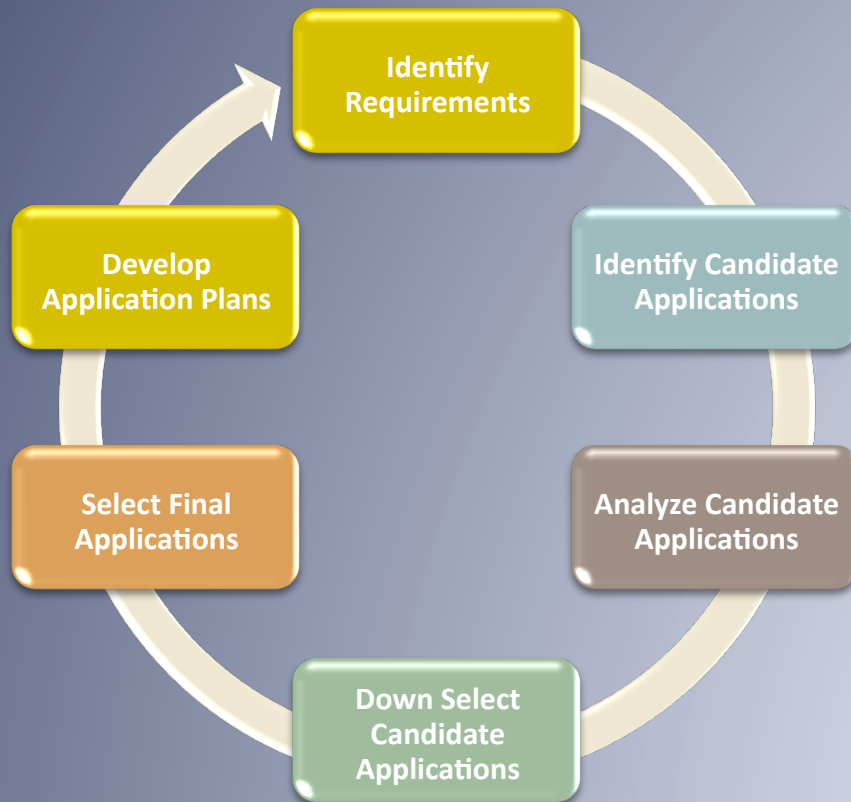


VA Internet2 Program: Timeline



VA Internet2 Program: Proof-of-Concept Phase

Selection Methodology



Initial Selection Criteria

- Demonstrate a measure of success
- Relatively non-complex (not unreasonably high risk)
- Address a logical and evident need (greater the scope of the need the better)
- Provide measureable benefits to the VA and primary stakeholders, veterans, and their families
- Can be applications area or underlying technology demonstration

VA Internet2 Program: Open Demonstration Phase

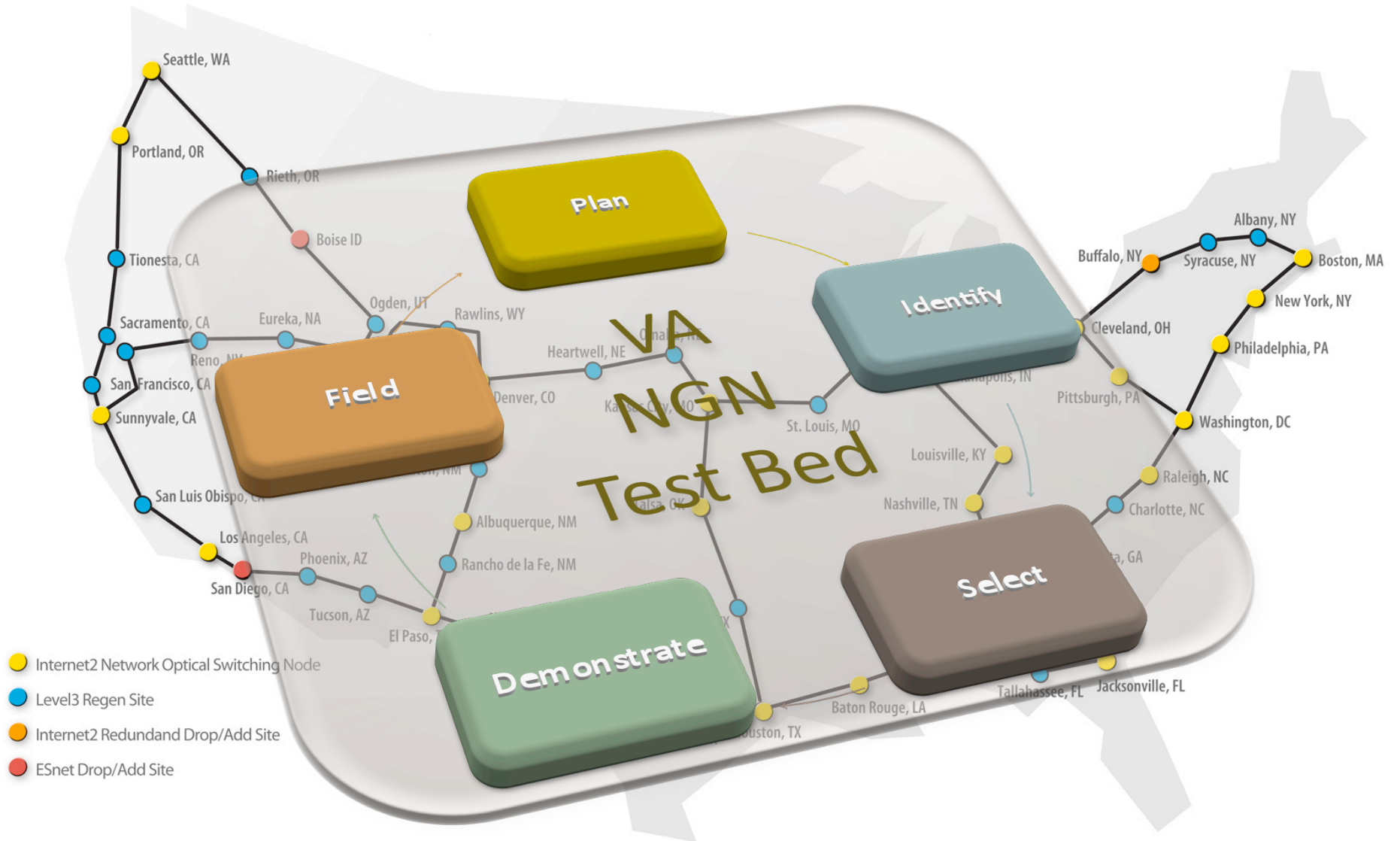
Selection Methodology



Concept

- User driven
- Open capability for VA and partners
- No selection process (but will have minimum requirements)
- Focus on technology and application transition

Internet2 Community: Vision



Internet2 Community Potential Partners



Internet2 Community:

Potential Application and Capabilities of Interest

Human-Computer
Interaction

Imaging

Rendering

Representation

Forecasting

Data Mining

Scientific Modeling

Knowledge Management

Symptomology

Manipulation

Server Consolidation

Disaster Recovery

Testing

Portable Applications

Portable Workspaces

Teleconferencing

Communities of Interest

Networks

Hazardous Environments

Remote Surgery

Education & Training

Orthopedic Research

Spinal Cord Injury

Suicide Prevention

Pharmacies

On-Line Collaboration

Electronic Health Records

Survivor Benefits

Burial Operations Support

Data Centric Transition for
VR&E and Education

Document and
Correspondence
Management System

IT Infrastructure

IPv6

IPv6

Identity Management

Security

Tele-
presence

Visualization

Virtualization

VA Internet2 Program: Remote Consultation Demonstration

Potential Applications:

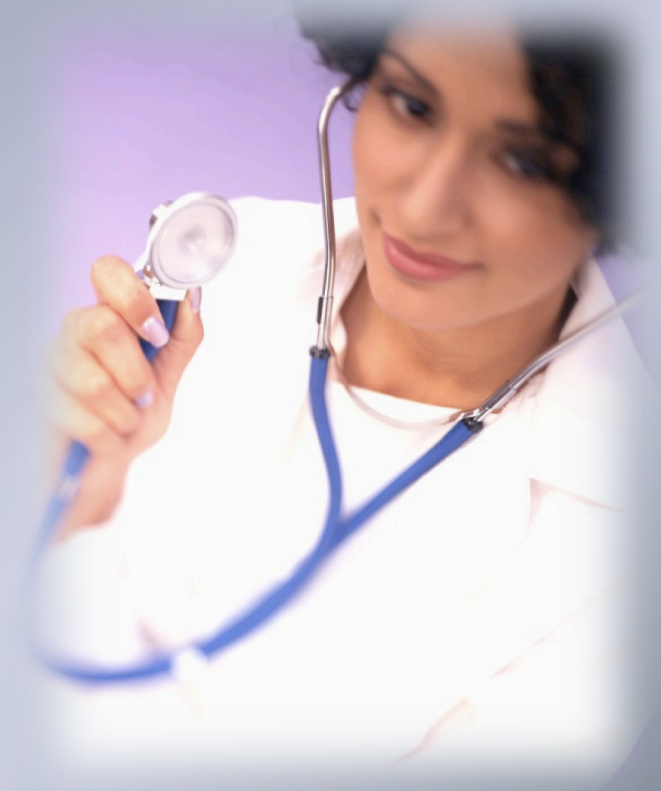
- Psychiatric Consultation
- Post Traumatic Stress Disorder
- Individual/Group Counseling
- Other Medical Consultation

Issues to Resolve:

- Reach Rural Patients
- Telepresence Capability
- Network (Bandwidth/
Performance)

Benefits:

- Suicide Prevention
- Improved Contact Experience
- Greater Reach
- Lower Cost



VA Internet2 Program: Distance Learning Demonstration

Potential Applications:

- Healthcare Worker Training
- Patient/Community Training

Issues to Resolve:

- Reach Remote/Rural End Users
- Multicast Capability
- Network (Bandwidth/
Performance)

Benefits:

- Improved Training Program
- Better Certification program
- Greater Reach
- Lower Cost



VA Internet2 Program: Medical Visualization Demonstration

Potential Applications:

- High Definition Radiology
- Cancer Research (Oncology)
- Pathology
- Dermatology

Issues to Resolve:

- Reach Rural Patients
- Doctor Collaboration
- Large File Transfer

Benefits:

- Greater Access to/ Utilization of Specialists
- Improved Care to Rural Locations
- Lower Cost



Internet2 Community: How to Participate

VA Interest

- Input from the Internet2 community in structuring our program
- Identify areas of interest
- Partnerships
- Potential demonstrations
 - Existing
 - New

More Information/Contact

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Questions?

Thank You

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