



United States

# Department of Veterans Affairs

IPv6 Transition Plan

COMPONENTS

# Federal CIO Council

## IPv6 Transition Plan - COMPONENTS



1. Identification of strategic business objectives
2. Identification of transition priorities
3. Identification of transition activities
4. Transition milestones
5. Transition criteria for legacy, upgraded, and new capabilities
6. Means for adjudicating claims that an asset should not transition in prescribed timeframes
7. Technical strategy and selection of transition mechanisms to support IPv4/IPv6 interoperability
8. Management and assignment of resources for transition
9. Maintenance of interoperability and security during transition
10. Use of IPv6 standards and products
11. Support for IPv4 infrastructure during and after 2008 IPv6 network backbone deployment
12. Application migration (if required to support backbone transition)
13. Costs not covered by technology refresh
14. Transition governance
  - a. Policy
  - b. Roles and responsibilities
  - c. Performance measurement
  - d. Reporting
15. Acquisition and procurement
16. Training
17. Testing

# Federal CIO Council Guidance



## 1. Identification of strategic business objectives:

- System Owners & Managers
- Business Plan Tied to VA Strategic Plan
- Elements and Functions impacted
- Confirm budget submission OMB 300 Exhibits
- Verify Target Architecture Sequencing Inclusion

# Federal CIO Council Guidance



## 2. Identification of transition priorities:

- Executive VA Leadership
- System Owners & Managers
- Correlation with VA Enterprise Architecture
- External or Internal Dependency
- Confirm budget submission OMB 300 Exhibits
- Verify Target Architecture Sequence

# Federal CIO Council Guidance



## 3. Identification of transition activities:

- System Owners & Managers
- Relationship with the target One-VA Architecture
- Delineation of Working group role/responsibility

# Federal CIO Council Guidance



## 4. Transition milestones:

- Program Management Plan
- Tasks and Recorded Progress & Accomplishments
- Plan of Action & Milestones
- Target Dates by Category Phase

# Federal CIO Council Guidance



## 5. Transition criteria for legacy, upgraded, and new capabilities:

- Identification and migration plan of legacy system(s) Management Plan
- Upgrade Plans by Major System or Sub-System
  - Short Term
  - Long Term
- Capabilities made possible by upgrade
- Integration and Interoperability Plan(s)

# Federal CIO Council Guidance



6. Means for adjudicating claims that an asset should not transition in prescribed timeframes:

- Identification of all Major VA system(s) and subsequent Waiver for signature by VA CIO
- Supporting rational and migration commitment - future
- Budget and/or unique funding required



# Federal CIO Council Guidance



## 7. Technical strategy and selection of transition mechanisms to support IPv4/IPv6 interoperability

- VA Technical Transition Strategy
- Identification of Mechanisms
  - System or Program upgrade migration
  - Services acquisition fro upgrade
  - System or Program replacement

# Federal CIO Council Guidance



## 8. Management and assignment of resources for transition

- VA Management solution approach
- Elements and Functions Involved
- Alignment with overall VA Strategic Plan

# Federal CIO Council Guidance



## 9. Maintenance of interoperability and security during transition

- VA maintenance approach with transition
- VA interoperability approach with transition
- VA security and Information Assurance (IA) safeguards
  - Before Transition
  - During Transition
  - Post Transition

# Federal CIO Council Guidance



## 10. Use of IPv6 standards and products

- VA compliance with Federal Directives
  - FIPS
  - OMB
  - NIST
- VA internal operating procedures
  - Directives
  - Operating Procedures
- VA training and awareness for required compliance

# Federal CIO Council Guidance



## 11. Support for IPv4 infrastructure during and after 2008 IPv6 network backbone deployment

- VA Internal Training and Awareness
  - Training Plan
  - Execution of Training
- VA Acquisition Process
  - Purchase of only IPv6 capable products
  - Obtain only IPv6 supported services
- VA Proposed Posture and Plan for Dual-Stack (IPv4/IPv6) Enterprise Architecture well into the future

# Federal CIO Council Guidance



## 12. Application migration (if required to support backbone transition)

- Identification and Description of VA Backbone
- Elements of migration and transition with the VA Backbone to be upgraded
- VA Future Plan for Enterprise Architecture migration

# Federal CIO Council Guidance



## 13. Costs not covered by technology refresh

- Identification all Systems, Programs and Components
- Provide Estimated Expense above/beyond life-cycle
- Include Estimates in OMB 300 Exhibit submissions for out-years

# Federal CIO Council Guidance



## 14. Transition governance

- Reference, develop and/or maintain VA policy
- Identify specific VA Roles and Responsibilities
- Include and incorporate VA management structure
- Identify and incorporate Performance Measurement
- Provide and/or develop reporting with each



# Federal CIO Council Guidance



## 15. Acquisition and procurement

- Ensure acquisition and procurement guidelines are in place and followed
- Establish recurring training of federal mandated requirements
- Incorporate procedures using a comprehensive approach throughout VA

# Federal CIO Council Guidance



## 16. Training

- Ensure a current Training Plan exists
- Provide funding and/or resources necessary for training
- Establish a means of verification for training

# Federal CIO Council Guidance



## 17. Testing

- Develop current and viable Test Plan(s)
- Provide funding and/or resources necessary for testing
- Ensure the best practices for security protection are following concurrent with any/all testing