



VA IPv6 Lessons Learned

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Agenda

- **Introduction**
- **Lessons Learned**
 - Processes**
 - Procurement Practices**
 - VA Goals Accomplished**
 - Next step and Challenges**
 - Upcoming Activities**



Introduction

- **A number of challenges had to be overcome in order to complete this first leg in delivering IPv6**
- **Many real life issues had to be addressed in order to be successful**
- **A solid technical base had to be developed to help guide all parties to a functional IPv6 solution**
- **Some lessons learned in this first leg of IPv6 Transition**

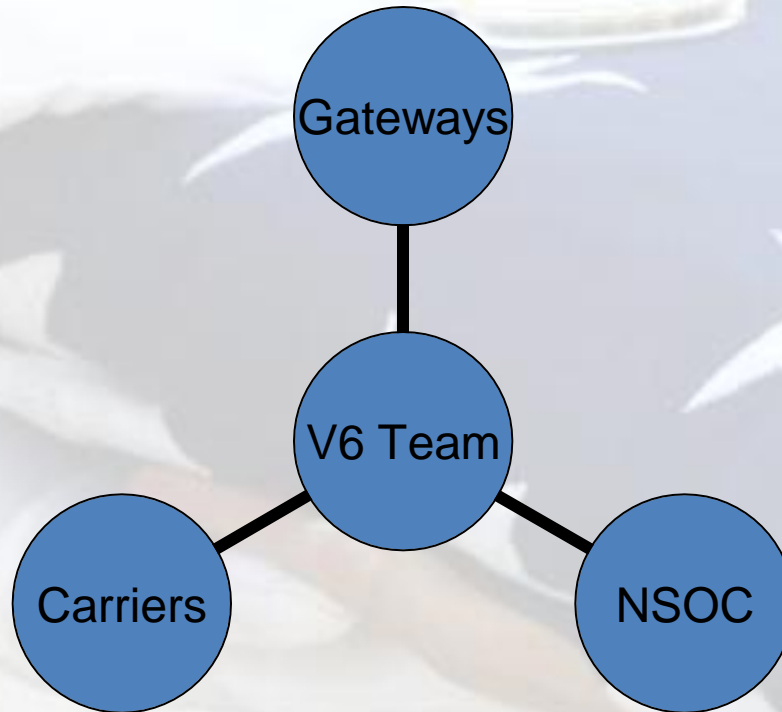


- **Process:**

- First Steps
- Gateways
 - Identify gateway inventory
 - Coordination with and NSOC and the Carrier
 - Reconciling of assets to include circuit bandwidth, circuit ID, location and type
 - Process for ordering services through various carriers
 - VA worked in conjunction with the carries to establish policy and procedures for ordering IPv6 services



Coordination and Communications





Procurement Practices

- **Coordinated efforts with TAC and internal acquisitions personnel to establish processes**
- **Developed an understanding of limitations and perimeters of established contracts**
- **Built relationships within the organization enlisting buy in for concerted objectives.**

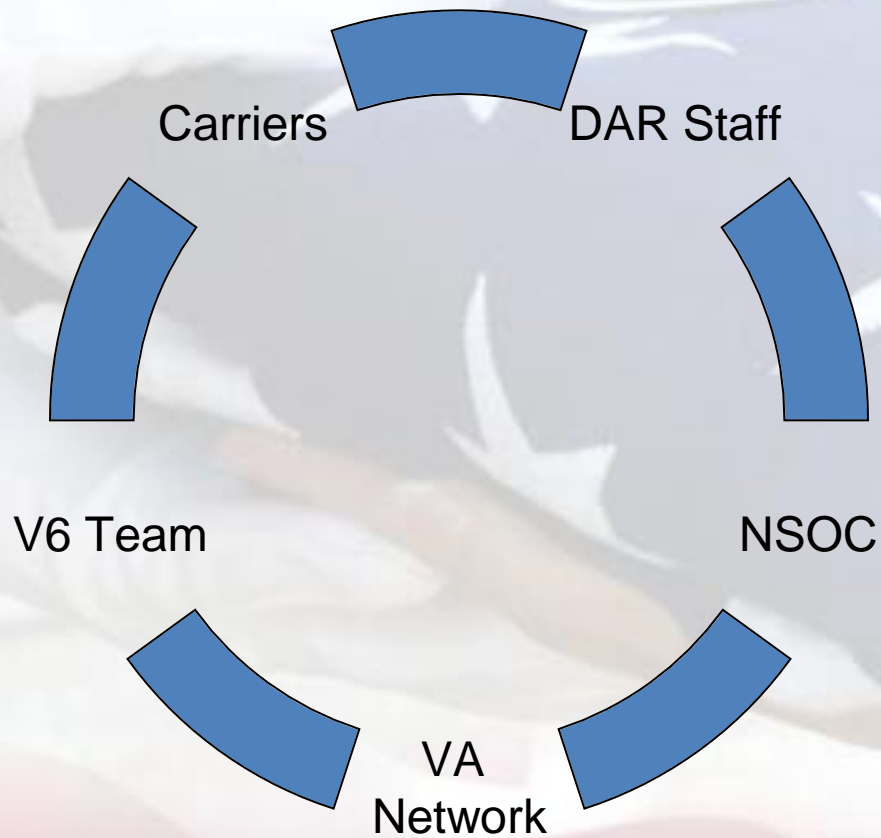


VA Goals Accomplished

- **VA provisioned four gateway circuits with IPv6**
- **VA has a good working process for ordering services going forward**
- **Continued coordination and communication to build relationships across the network spectrum**



Coordination





Next step and Challenges

- **Transition further into the network MPLS backbone**
- **May take 18+ months for full dual stack capability**
- **In many cases requires new circuit provisioning**
- **Maintaining command and control of the processes**



Upcoming Activities

- **IPv6 Enable Remaining 300+ VA internal circuits**
- **The VA backbone**