

DISC AVPN Migration

ITABUpdate
June 21, 2011

AVPN

- What is it
- Why do we need it
- How will we do it
- What to expect
- Financial Impact
- Q&A

What is AVPN?

- AT&T Virtual Private Network (AVPN)
- Replaces our legacy Frame Relay/IMA network
- Uses MPLS to create a private network in AT&T cloud
 - Data packets labeled to classify/prioritize traffic
 - CoS in the carrier network labels traffic to classify the transport (voice, video, data)
 - CoS works with our QoS strategy
 - QoS provides end-to-end management and control of latency/jitter/packet loss sensitivity (voice, video, data)

Why AVPN?

- Current AT&T FR/ATM Layer 2 platform grandfathers 9/30/11
- Current AT&T FR/ATM Layer 2 platform will sunset 9/30/14
- AVPN offers far greater design/operation flexibility of IP network
- Variable-length data packets are more efficient
- Less transport overhead and complexity
- More scalable and critical stepping stone to UC
- Better traffic engineering and management
- More efficient transport, higher reliability, increased performance
- More efficient traffic management
- more reliable and maintainable
- more efficient, less complex access methods
- Multicast efficiency of large files such as video
- Future Proof

How We'll Do It

- KITO Plan
- Design
- Cut Work Orders
- Order early circuits & routers
- **Proof-of-Concept** 3 pilots sites
- **Pilot** 27 early deployment
- **Production** remaining 500 sites
- Operations Support
- Filed / Approved
- Complete
- Started
- Started
- June 30
- Aug 11, 2011
- Aug 9, 2012
- On-going

Pre-Cutover Steps

1. Initial Contact and Work Order
2. Site Needs Analysis – coordination/cooperation
 - Verify circuit information
 - Identify any changes desired with AVPN
 - Plan readdressing prior to migration – if applicable
 - Implement readdressing post-migration
 - Discuss location moves, remodeling, etc.
 - Agency / Site contact information
3. Site Survey of the remote Site

Pre-Cutover Steps

4. Extend demarc
5. Engineer router / connection
6. Order AVPN circuits from AT&T
7. Notify Agencies of installation date / time
8. AT&T installs / tests new circuit
9. Pre-configure new Site router

Day-of-Cut Steps

10. Tech arrives on Site
11. Tech installs / tests new router
12. Implementation Team transitions Site to new router
13. Tech removes old router

Post-Cutover Steps

14. Re-address Site if applicable
15. Order disconnect of old circuit
16. Day-2 DISC NOC Support 785-296-2310

Financial Impact

- Postalized Pricing
- Pricing tailored for T1.
- Financial information was distributed last fall and a refresh of this information will be sent out soon.
- Price increases range from \$0 to \$3,000 per month.

Need help ?

- For project related help
- DABT_TSS_email@da.ks.gov

Q&A

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