



Virginia Information Technologies Agency

Commonwealth Information Security Officers Advisory Group (ISOAG) Meeting

December 12, 2007



Happy Holidays!



Happy New Year!



Cold Weather????



CONGRATULATIONS SWESC!

As we speak the Governor is cutting the ribbon at the Southwest Enterprise Solutions Center in Lebanon, Virginia!





ISOAG December 2007 Agenda

- | | | |
|-------|---|----------------------------------|
| I. | Welcome and Opening Remarks | Peggy Ward, VITA |
| II. | COOP Assessment and COG prioritization | Brittany Schaal, VDEM |
| III. | Payment Card Industry (PCI) | Bob Moore, ABC |
| IV. | Transformation Status Update | Mike VonSlomski (IT Partnership) |
| V. | Information Risk Executive Council | Jason Dolan, IREC |
| VI. | Webmasters Group | Emily Siebert (VITA) |
| VII. | Enterprise Architect Data Collection | Mike Hammel (VITA) |
| VIII. | Data Removal Standard | Cathie Brown (VITA) |
| IX. | Commonwealth Information Security Annual Report | Cathie Brown (VITA) |
| IX. | Wireless Threat Environment | Tripp Sims (VITA) |
| X. | Upcoming Events & Other Business | Peggy Ward, VITA |



COOP/COG Planning Efforts

December 12, 2007

EO 44 COOP Requirements

- To provide for consistent and uniform planning, directs each executive branch agency including institutions of higher education with guidance from their Emergency Coordination Officer:
 - Create or update Continuity of Operation Plans to conform to the template produced by the Virginia Department of Emergency Management, and
 - Utilize the resources available from the Virginia Department of Emergency Management for creating or updating Continuity of Operations Plans.
- The process of creating or updating Continuity of Operations Plans shall be completed by April 1 of each year, with an electronic copy sent to the Virginia Department of Emergency Management. The Office of Commonwealth Preparedness, in consultation with the Virginia Department of Emergency Management will devise a process for review of all executive branch agencies' Continuity of Operations Plans by the first week of December each year.
- The Office of Commonwealth Preparedness will develop an annual Continuity of Operations Plan testing, training and review schedule for all executive branch agencies.

New COOP Resources

- Local Government COOP Toolkit
- Institution of Higher Education COOP Toolkit
- Pandemic Influenza COOP Annex Toolkit

New Toolkits

- Developed in cooperation with representatives from local governments and institutions of higher education in the Commonwealth of Virginia
- COOP Planning Manual
- Worksheets
- Templates
- Available on www.vaemergency.com

COOP Planning Manuals

- Developed to provide guidance for the development and maintenance of Continuity of Operations (COOP) plans.
- Intended to offer both procedural and operational guidance for the preparation and implementation of a COOP plan.

COOP Worksheets

- Correspond with the seven phases of the COOP planning process.
- Assist in assembling the information necessary to develop the critical elements of a COOP plan.

COOP Templates

- The templates, in conjunction with the information gathered in the worksheets, will assist in completing cohesive and comprehensive COOP plan(s) to meet each institution's needs.
 - Alternatives are a single comprehensive plan
 - Basic plan that provides overall guidance and structure, with a series of divisional or departmental plans that address the specific needs of functional areas.
- The strategy decided on depends on the size and structure of the college or university, the complexity of its mission and available resources for planning.

Pandemic Influenza COOP Annex

- The online manual, worksheets and template focus on the efficient and effective management of expected limited human resources.
- The guidance manual focuses on pandemic influenza, though it can apply to scenarios involving loss of workforce from other highly communicable diseases.
- The worksheets help to gather the raw data needed to develop a pandemic influenza COOP annex. They can be modified to fit the needs of an agency, institution, locality or department.
- The template provides agencies and institutions with the basic annex itself. In collaboration with the manual and worksheets, will assist in completing a cohesive and comprehensive pandemic influenza annex to a COOP plan.

2007 Assessment

- Assessment of overarching COOP Program as well as individual plans
- Scores are not pass/fail
- The overall assessment tool had 79 elements on which an agency could be scored

COOP Assessment for Strategic Plan Input

- 24 components that focused on the operational versus administrative elements of the overall assessment tool
- The average score was 73% an increase of 4% from the original overall Assessment Reports
- Assessment this year focused on the critical elements of a COOP plan

COOP Next Steps

- Updating COOP Toolkit by first of the year
- In 2008, time will allow for a committee to be utilized so that the assessment template can be revised and better capture the operational components of a COOP Plan such as processes and procedures for plan implementation
- Continue to update current COOP plan

Where do you fit in?

- Incorporating existing IT DR into COOP plans and procedures
- Establishing realistic understanding of the IT recovery processes

COG

- The Office of Commonwealth Preparedness and VDEM coordinated the development COG Plans for each Secretariat Office
- The COG plan prioritizes essential services and functions across the Secretariat, and details appropriate resource assignments to ensure these services/functions are continued during times of emergency

COG Next Steps

- Utilize the information from the COG Plans in further prioritization processes especially where resources and personnel are shared among agencies
- Test the plans during the Governor's Cabinet Exercise

Questions?

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COOP Planner
VDEM

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Payment Card Industry Compliance

December 12, 2007

Compliance Environment

- ✓ Primarily VISA, MasterCard and American Express
- ✓ Compliance plans address the security of data on these cards
- ✓ Security encompasses not only cardholder data but also magnetic stripe data
- ✓ Recent history has highlighted the vulnerability of this data
- ✓ The credit card industry ultimately takes the loss of fraudulent activity,

BUT...

- ✓ Card companies will recover this loss from their merchants in the form of rates and penalties.

Jargon

- ✓ PCI – Payment Card Institute
- ✓ DSS – Data Security Standard
- ✓ Safe Harbor
- ✓ Merchant Level
- ✓ Level Validation

PCI Data Security Standard (PCIDSS)

Build and Maintain a Secure Network

- ✓ Install and maintain a firewall configuration to protect data
- ✓ Do not use vendor-supplied defaults for system passwords and other security parameters

Protect Cardholder Data

- ✓ Protect stored data
- ✓ Encrypt transmission of cardholder data and sensitive information across public networks

Maintain a Vulnerability Management Program

- ✓ Use and regularly update anti-virus software
- ✓ Develop and maintain secure systems and applications

Implement Strong Access Control Measures

- ✓ Restrict access to data by business need-to-know
- ✓ Assign a unique ID to each person with computer access
- ✓ Restrict physical access to cardholder data

Regularly Monitor and Test Networks

- ✓ Track and monitor all access to network resources and cardholder data
- ✓ Regularly test security systems and processes

Maintain an Information Security Policy

- ✓ Maintain a policy that addresses information security

Safe Harbor

Safe harbor provides members protection from Visa fines in the event its merchant or service provider experiences a data compromise. To attain safe harbor status:

1. A member, merchant, or service provider must maintain full compliance at all times, including at the time of breach as demonstrated during a forensic investigation.
2. A member must demonstrate that prior to the compromise their merchant had already met the compliance validation requirements, demonstrating full compliance.
3. It is important to note that the submission of compliance validation documentation, in and of itself, does not provide the member safe harbor status. The entity must have adhered to all the requirements at the time of the compromise.

Merchant Level

Level 1

Any merchant-regardless of acceptance channel-processing over 6,000,000 Visa transactions per year.

Any merchant that Visa, at its sole discretion, determines should meet the Level 1 merchant requirements to minimize risk to the Visa system.

Level 2

Any merchant-regardless of acceptance channel-processing 1,000,000 to 6,000,000 Visa transactions per year.

Level 3

Any merchant processing 20,000 to 1,000,000 Visa e-commerce transactions per year.

Level 4

Any merchant processing fewer than 20,000 Visa e-commerce transactions per year, and all other merchants-regardless of acceptance channel-processing up to 1,000,000 Visa transactions per year.

Level Validation Requirements

| Level | Validation Action | Validated By | Due Date |
|----------|---|---|---|
| 1 | Annual On-site PCI Data Security Assessment | Qualified Security Assessor or Internal Audit if signed by Officer of the company | 9/30/04 |
| | Quarterly Network Scan | Approved Scanning Vendor | New level 1 merchants have up to one year from identification to validate. |
| 2 | Annual PCI Self-Assessment Questionnaire | Merchant | New level 2 merchants: 9/30/2007 |
| | Quarterly Network Scan | Approved Scanning Vendor | |
| 3 | Annual PCI Self-Assessment Questionnaire | Merchant | 6/30/05 |
| | Quarterly Network Scan | Approved Scanning Vendor | |
| 4 | Annual PCI Self-Assessment Questionnaire | Merchant | Validation requirements and dates are determined by the merchant's acquirer |
| | Quarterly Network Scan (if applicable) | Approved Scanning Vendor | |

Ambiron Trustwave

- ✓ **Ambiron Trustwave** is ABC's compliance vendor (October 2007, 3 years)
- ✓ **TrustKeeper[®]** is Trustwave's enterprise compliance suite
- ✓ **TrustKeeper[®]** can be leveraged to validate compliance against HIPAA, GLBA, SOX, FISMA and ISO17799.

Trustwave: Rate Schedules 1

| ATW Service | 1-Year Term | 3-Year Term | 5-Year Term |
|--|---|---|--|
| Compliance Validation Service (CVS) | <ul style="list-style-type: none"> \$22,000/yr | <ul style="list-style-type: none"> \$18,500/yr | <ul style="list-style-type: none"> \$17,000/yr \$9,000/yr |
| Policy & Procedure Service (PPS) | <ul style="list-style-type: none"> \$12,000/yr 1 | <ul style="list-style-type: none"> \$10,000/yr 1 \$3,000/yr 2 \$3,000/yr 3 | <ul style="list-style-type: none"> \$2,750/yr 1 \$2,750/yr 2 \$2,750/yr 3 \$2,750/yr 4 \$2,750/yr 4 |
| ATW Optional Service Schedule 1 | 1-Year Term | 3-Year Term | 5-Year Term |
| Internal Vulnerability Scanning Service (IVSS) <ul style="list-style-type: none"> Per IVSS Appliance | <ul style="list-style-type: none"> \$8,500/yr | <ul style="list-style-type: none"> \$7,250/yr | <ul style="list-style-type: none"> \$6,750/yr |

Trustwave: Rate Schedules 2

| ATW Optional Service Schedule 2 | Per Item Cost |
|---|--|
| Consulting Support Services <ul style="list-style-type: none"> • Per Hour (\$250/hr) • 50 Hour Bundle (\$225/hr) • 100 Hour Bundle (\$215/hr) | <ul style="list-style-type: none"> • \$250/hr • \$11,250 • \$21,500 |
| Network Penetration Testing (Up to 10 IPs) <ul style="list-style-type: none"> • Per Test • Quarterly Testing (3 Additional/Year) | <ul style="list-style-type: none"> • \$7,500 • \$18,000 |
| Onsite Assessment & Report On Compliance <ul style="list-style-type: none"> • Per Re-Assessment & ROC Update • Quarterly Re-Assessment & ROC Update (3 Additional/Year) | <ul style="list-style-type: none"> • \$4,000 • \$10,000 |
| | |

Trustwave: Deliverables

| Deliverable | Description | Completion Date |
|---------------------------------|--|---|
| Vulnerability Scan Report | Up to one vulnerability scan per month during the term will be conducted with a report delivered via the TrustKeeper portal. The report will incorporate both questionnaire and scan results. | Upon completion of questionnaire and vulnerability scan |
| PCI Report on Compliance | At the conclusion of the assessment, a PCI Report on Compliance (ROC) will be created detailing the findings of the assessment and any areas of non-compliance. Specifically, the ROC will include the compliance status with respect to each PCI requirement, and recommendations for addressing areas of non-compliance. | Assessment Conclusion |
| Statement of Compliance | Upon achieving PCI Compliance, Client will be provided with a Statement of Compliance letter. | Upon achieving compliance |
| Penetration Test Report | A report detailing the findings of the manual verification and analysis of discovered vulnerabilities. | Test Conclusion |
| Policy and Procedures Documents | As a result of the Procedures Services, ATW will develop a set of Information Security Procedures addressing the PCI Data Security Standard. | During Assessment |

Summary

- ✓ Determine your merchant level to avoid surprises!
- ✓ If that level requires independent validation, you are invited to use ABC's Trustwave contract.
- ✓ Contact:
 - ✓ charles.moore@abc.virginia.gov
 - ✓ 804-213-4483



ISO Transformation Briefing

Mike Elkins and Mike Von Slomski
IT Infrastructure Partnership Transformation

December 12, 2007



NORTHROP GRUMMAN

ISO Transformation Briefing: Table of Contents

- ▶ Transformation Status
- ▶ Transformation Schedule
- ▶ Transformation Deployment Updates

Transformation Overview

- **Accomplishments for the 3rd quarter**

- Exceeded desktop refresh rate (6,000 vs 4,500 target)
- Successfully moved 192 servers from RPB to CESC - migrated Agriculture & Consumer Services mainframe to CESC
- Completed office move to CESC. Construction complete at SWESC and ribbon cutting scheduled for 12/12
- Network migration completed at 190 agency sites
- ITIL change, configuration and release management implemented across partnership on 9/4

- **Challenges**

- Maintaining desktop refresh rate during 2008 session
- Finalizing mainframe cutover date with impacted agencies
- Complex coordination between ITIL processes, Procedures Manual and preparation for Managed Services phase of the CIA



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Transformation – Current Rollout Focus

▶ Desktop Refresh

| Completed | | | Started | | |
|-----------|----------------|---------|---------|------------|--------|
| - DPB | - Gunston Hall | - DBA | - VDH | - TAX | - JYF |
| - DVS | - DCG | - DGIF | - DOC | - DOCE | - VDOT |
| - DMBE | - CHR | - SBE | - DCE | - DHCD | |
| - VMNH | - DCJS Pilot | - VSDBS | - DJJ | - DMHMRSAS | |
| - DEDR | - VMFA | - VSDBH | - GOV | - MVDB | |
| - SCHEV | - VWM | - VITA | - DRPT | - VDA | |
| - VCA | - SCB | | | | |

▶ Incident Management (Peregrine)

- Dept for Blind and Vision Impaired migrated October 1
- Dept for Rehabilitative Services migrated October 1
- Virginia Board for People with Disabilities migrated October 1
- Virginia Dept for the Deaf and Hard of Hearing migrated October 1

▶ Network Refresh

- 265 sites converted to MPLS
- Network equipment deployed in SWESC (circuit turned up from SWESC to CESC)

▶ Server and MF

- Two Network Move Tests and one Mock Move Test Completed (Mainframe)
- 329 of 635 Servers moved from RPB to CESC

▶ Messaging

- VDH pre-migration meetings and schedule completed

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Transformation Schedule- High Level

| | | 2006 | | | | | 2007 | | | | | 2008 | | | | | 2009+ | | | | | | | | | | | | | | | | | |
|----------------|---------------------------|--|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| months | | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | J | J | A | S | O | N | D | J | F | M | A |
| Domains | | Transformation Phase (36 Months to June 2009) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUS | General | Service Commencement Date 7/1/06 Procedures Manual Plan (8/1/06) Procedures Manual (10/1/06) | | | | | Process Cutover (Internal Apps) | | | | | ITIL Process Optimization Complete SCD+23 (6/1/08) DR Test at SWESC SCD+22 (5/1/08) | | | | | | | | | | | | | | | | | | | | | | |
| | Help Desk | Incident Mgmt. Web Accessible (8/1/06) Knowledge Mgt. System Operational P10/1/06-A4/01/07 | | | | | | | | | | Production Incident Mgmt System / SPOC Help Desk (SWESC) SCD+24 (7/1/08) | | | | | | | | | | | | | | | | | | | | | | |
| | Desktop | | | | | | Begin Desktop Refresh (P3/01/07-A3/15/07) Desktop & asset mgmt system operational (P1/1/07-A1/29/07) | | | | | | | | | | Complete Desktop Refresh SCD+32 (3/1/09) | | | | | | | | | | | | | | | | | |
| | Messaging | Single Statewide Address List SCD+9 (P4/1/07-A3/22/07) | | | | | DNS / WINS Infrastructure SCD+13 (9/1/07) | | | | | | | | | | Enterprise messaging 90% complete SCD+ 35 (6/1/09) | | | | | | | | | | | | | | | | | |
| DCS | Facilities | | | | | | CESC Ready for Occupancy SCD+12 (7/1/07) | | | | | SWESC Ready For Occupancy SCD+16 (11/1/07) | | | | | | | | | | | | | | | | | | | | | | |
| | Mainframe / Server | Infrastructure Ops Center (Interim) 11/1/06 | | | | | | | | | | RPB Migration Complete SCD+19 (2/1/08) | | | | | Server Consolidation 90% Complete SCD+35 (6/1/09) | | | | | | | | | | | | | | | | | |
| NVS | Data Network | Temp. NOC (11/1/06) | | | | | MPLS Core Complete SCD+14 (9/1/07) | | | | | Enterprise NOC SCD+16 (11/1/07) | | | | | Complete Agency LAN migration (90%) SCD+30 (1/1/09) | | | | | | | | | | | | | | | | | |
| | Voice | Arch Network Blueprint Addressing Plan (2/1/07) | | | | | VoIP Architecture Design And Recommendations SCD+9 (4/1/07) | | | | | | | | | | VoIP Completion (90%) SCD+63 10/01/11 | | | | | | | | | | | | | | | | | |
| SS | Security | Interim Security Incident tracking and Mgmt System SCD+3 (10/1/06) | | | | | Enterprise Vulnerability Assessment Program Operational SCD+20 (3/1/08) | | | | | CSIRC Complete SCD+20 (3/1/08) | | | | | ESOC Complete SCD+23 (6/1/08) | | | | | | | | | | | | | | | | | |

= Delivered
 = Delivered, awaiting final VITA acceptance
 = Delayed



NORTHROP GRUMMAN

6 Month Transformation Agency Activity (50 agencies)

| # | Agency | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 |
|-----|---------------|----------|----------|---------|--------|--------|--------|
| 999 | ABC | H, N | H | H | | | |
| 226 | BOA | | D | D | D | | |
| 200 | CSA | | | | | D | D |
| 702 | DBVI | H, N | H, N | D, H, N | D | D | D |
| 750 | DCE | D, N, H | N, H | N, H | N | N | N |
| 140 | DCJS | S | H | H | | | |
| 440 | DEQ | N | N | | H, N | H, N | H, N |
| 960 | DFP | D | D | D | D | D | |
| 403 | DGIF | H | H | H | | | |
| 194 | DGS | | S | | | | |
| 165 | DHCD | D | D | D | H | H | H |
| 423 | DHR | D | D | D | D | D | |
| 129 | DHRM | MF | D | D | D | D | |
| 777 | DJJ | D, H, N | D, H, N | H, N | N | N | N |
| 720 | DMHMRSAS | D, N | D, N | D, N | D, N | D, N | D, N |
| 409 | DMME | | D | D | D, H | D, H | D, H |
| 154 | DMV | N, MF | N, MF | N | N, H | N, H | N, H |
| 151 | DOA | MF | MF | | D | D | |
| 841 | DOAV | | D | D | D | D | D |
| 701 | DOC | D, H | D, H, MF | H | | | |
| 201 | DOE | | | H | | | |
| 411 | DOF | H | H | D | D | D | D |
| 181 | DOLI | | | | D, H | D, H | H |
| 122 | DPB | MF | MF | | | | |
| 505 | DRPT | D | D | D | D | | |
| 262 | DRS | H | D | D | D | D | D |
| 765 | DSS | S | MF | | | D | |
| 121 | GOV | D | D | D | | | |
| 425 | JYF | D | D | D | D, H | D, H | D, H |
| 202 | LVA | N | N | N | | | |
| 506 | MVDB | D | D | | | | |
| 132 | SBE | D, MF | MF | | | | |
| 157 | SCB | MF | MF | | | | |
| 245 | SCHEV | D | | | | | |
| 161 | TAX | D, MF, S | D, MF | D | | | |
| 152 | TD (Treasury) | MF | MF | | | | |
| 606 | VBPd | N | D, N | D, N | | | |
| 794 | VCBR | | | | D | D | D |
| 163 | VDA | D | D | D | D | D | |
| 301 | VDACS | H, MF | H | | D | D | D |

Key
S=Server
H=Helpdesk
N=Network
D=Desktop
MF=Mainframe

Transformation Schedule- Q307, Q407 and Q108

| Service Area | Technology Domain | Q3 07 | Q4 07 | Q1 08 |
|----------------------|----------------------|---|--|---|
| End User Services | Help Desk | | Installation of Telephony and Dedicated Incident Mgt System and Agent workstations installed (12/07) | SWESC Staffed and Trained 01/01/08 |
| | Desktop | Qtr 2 Desktop Refresh (7/1) | Qtr 3 Desktop Refresh (10/1) | Qtr 4 Desktop Refresh (01/08) Qtr 5 Desktop Refresh (04/1/08) |
| | Messaging | Standup Messaging Back End (8/30) | Begin Messaging Refresh 10/1 | |
| Data Center Services | Facilities | CESC Ready for Occupancy (7/1/07) | SWESC Ready for Occupancy (11/1/07) | RPB Migration Complete(03/01/08) |
| | Mainframe and Server | 1 st Mainframe Mock cutover test (10/1/07) | Commonwealth Server Consolidation 25% complete (11/1/07) | Move DR Infrastructure to SWESC (03/1/08) Virtual Tape Automation Complete (03/1/08) Move MF Workload RPB to CESC (02/1/08) |
| Network Services | Data | MPLS Core Complete Begin Agency Migration (9/1/07) Connectivity to CESC (7/1/07) | 15% LAN Migration SCD-15 (10/1/07) | Connectivity to SWESC (11/1/07) Enterprise NOC (11/1/07) 45% LAN Migration (04/1/08) |
| | Voice | | | 30% LAN Migration (01/1/08) |
| Security Services | Security | | ESOC Transitional Complete (11/1/07) | Enterprise Vulnerability Assessment Complete (03/1/08) VITA security Dashboard (03/02/08) Computer Security Incident Response Center Complete (03/1/08) |
| General Services | Internal Apps | | Service Catalog Demo (10/07) | Service Catalog Production Demo (12/07) |
| | Cross Functional | Change Management "go live" | Phase 2 Incident Mgt Begins (8/20/07) | |

= Delivered
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 = Complete
 = Delayed

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ITP has made tremendous progress across the Transformation deployments

▶ Desktops (11,075+ deployed)

- Standard platform with anti virus and firewall security
- Reduces support calls required for older equipment

▶ Peregrine live at 33 sites (2 waiting agency signoff)

- Centralized ticket reporting to support teams
- Easier metrics consolidation and monitoring

▶ Piloted ITIL

- Integrated change management to increase successful change and coordination for infrastructure teams
- Configuration, Change, Release (CCR) management Go-Live on 9/4 for IT Partnership

▶ Server consolidation

- Standardizing hardware platforms and added redundancy to the architecture allows for fewer problem outages.
- 251 of 2500 servers consolidated.
- 192 of 635 servers moved from RPB to CESC

▶ Disk Consolidation – storage

- Removes older hardware from the architecture.
- Rapid deployment of new storage requirements
- Data replication to improve recovery timeframes

▶ Mainframe

- Bubble test environment up and operational.
- VDACS mainframe moved to CESC
- New mainframe printers requested for CESC

▶ Network MPLS Points of presence

- Provides redundancy for main core infrastructure.
- Less down time and allows for maintenance to be performed while keeping network available
- Over 50% of ABC stores completed with very positive feedback from ABC

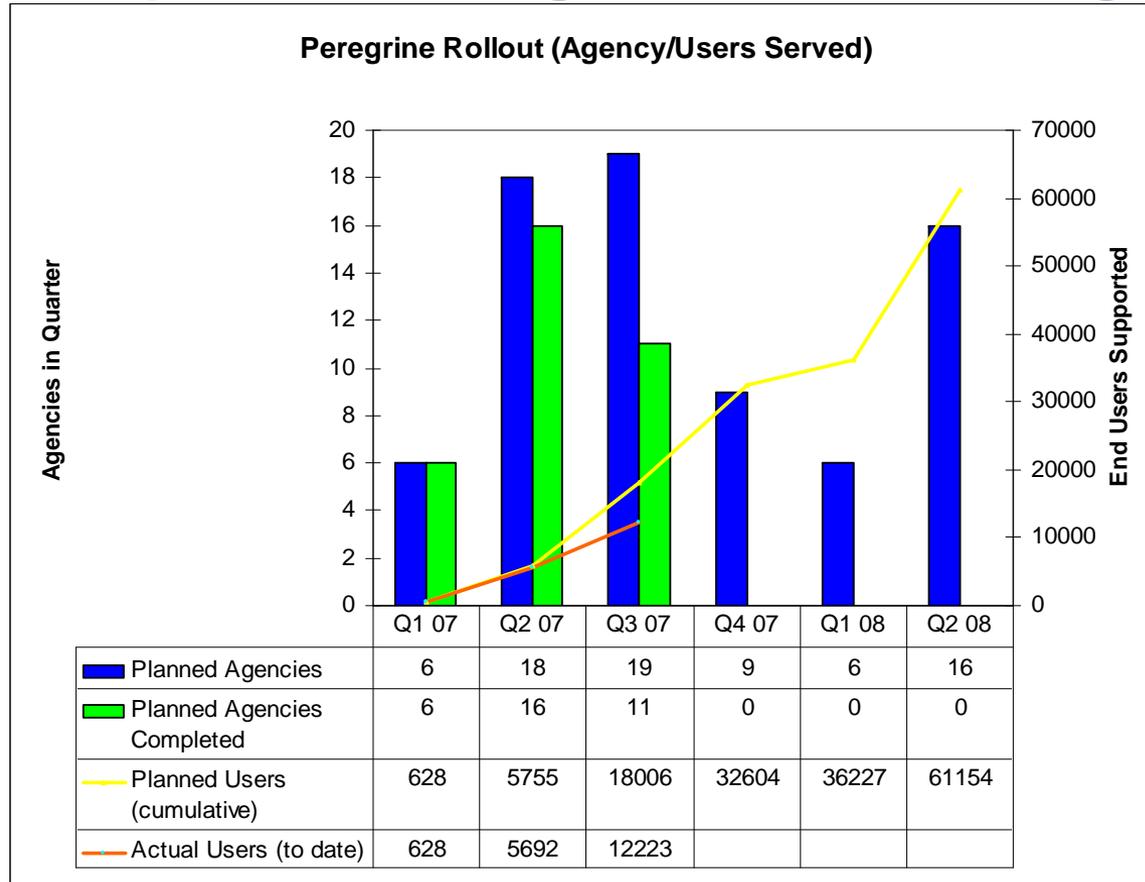


Desktop 4th QTR 07 & 1st QTR 08

| Agency Code | 4th Q | Count |
|-------------|----------|-------|
| 122 Total | DPB | 90 |
| 151 Total | DOA | 10 |
| 161 Total | TAX | 1075 |
| 165 Total | DHCD | 144 |
| 245 Total | SCHEV | 66 |
| 262 Total | DRS | 806 |
| 405 Total | VRC | 2 |
| 409 Total | DMME | 79 |
| 411 Total | DOF | 125 |
| 423 Total | DHR | 17 |
| 425 Total | JYF | 155 |
| 505 Total | DRPT | 5 |
| 506 Total | MVDB | 22 |
| 601 Total | VDH | 2775 |
| 606 Total | VBPD | 11 |
| 702 Total | DBVI | 104 |
| 720 Total | DMHMRSAS | 2439 |
| 750 Total | DCE | 11 |
| 777 Total | DJJ | 31 |
| 794 Total | CCBR | 3 |
| 799 Total | DOC | 348 |
| 960 Total | DFP | 1 |
| Grand Total | | 8319 |

| Agency Code | 1st Q | Count |
|-------------|----------|-------|
| 129 Total | DHRM | 205 |
| 151 Total | DOA | 126 |
| 181 Total | DOLI | 170 |
| 200 Total | CSA | 11 |
| 262 Total | DRS | 845 |
| 301 Total | VDACS | 31 |
| 405 Total | VRC | 20 |
| 409 Total | DMME | 110 |
| 411 Total | DOF | 105 |
| 423 Total | DHRM | 61 |
| 425 Total | JYF | 95 |
| 505 Total | DRPT | 54 |
| 601 Total | VDH | 901 |
| 702 Total | DBVI | 161 |
| 720 Total | DMHMRSAS | 1884 |
| 751 Total | DRS | 15 |
| 765 Total | DSS | 2760 |
| 794 Total | CCBR | 29 |
| 841 Total | DOAV | 50 |
| 960 Total | DFP | 1 |
| Grand Total | | 7635 |

Helpdesk – Peregrine Tool Coverage



33 Agencies Completed including:

- ▶ DMHMRSAS
- ▶ Office of the Governor
- ▶ Virginia Department of Health
- ▶ Virginia Museum of Natural History

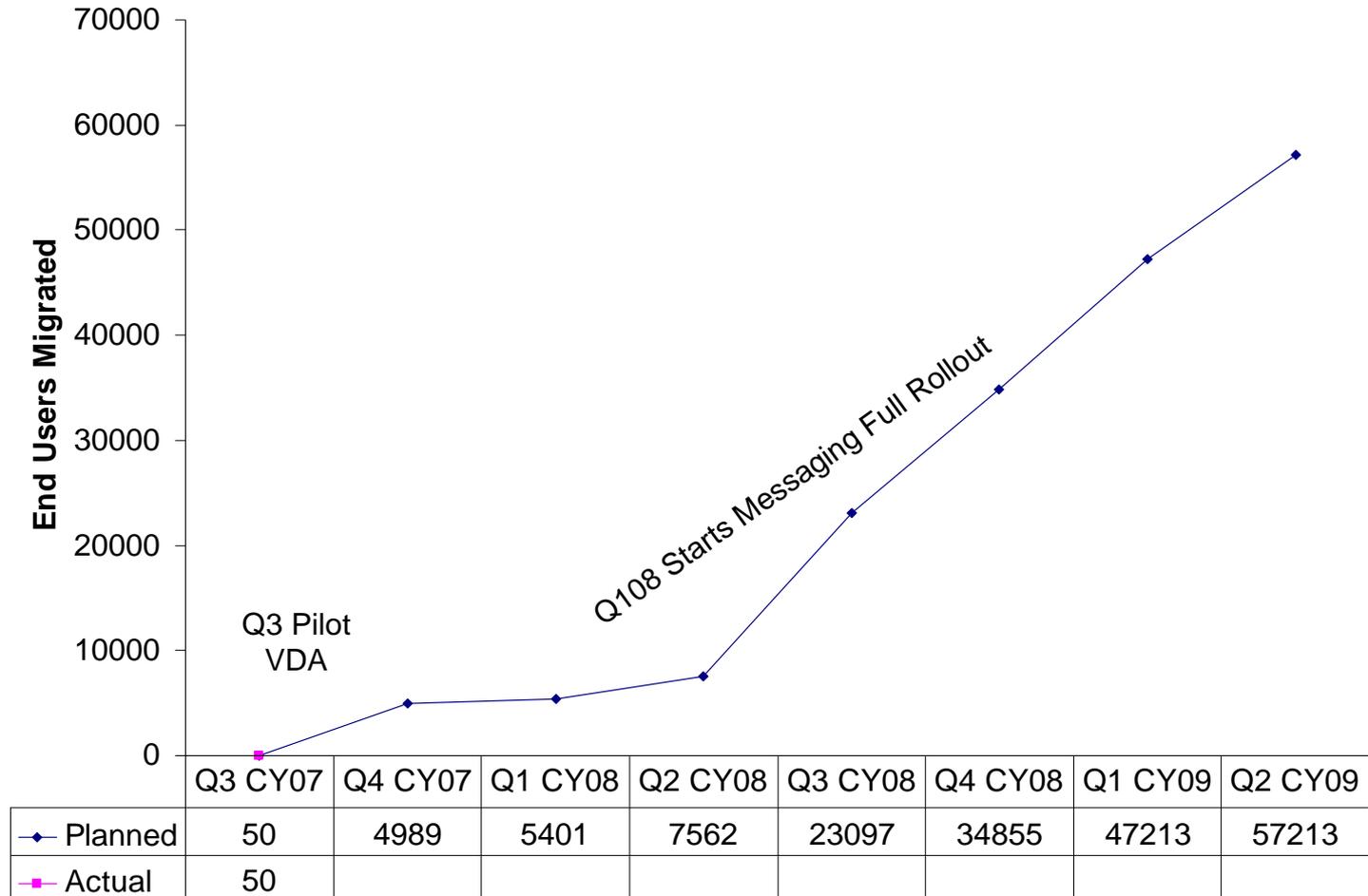
20 Agencies in Progress

- including:**
- ▶ Dept. of TAX
 - ▶ Dept. of Rehabilitative Services
 - ▶ Dept. of Agriculture and Consumer Svcs
 - ▶ Dept. of Forestry

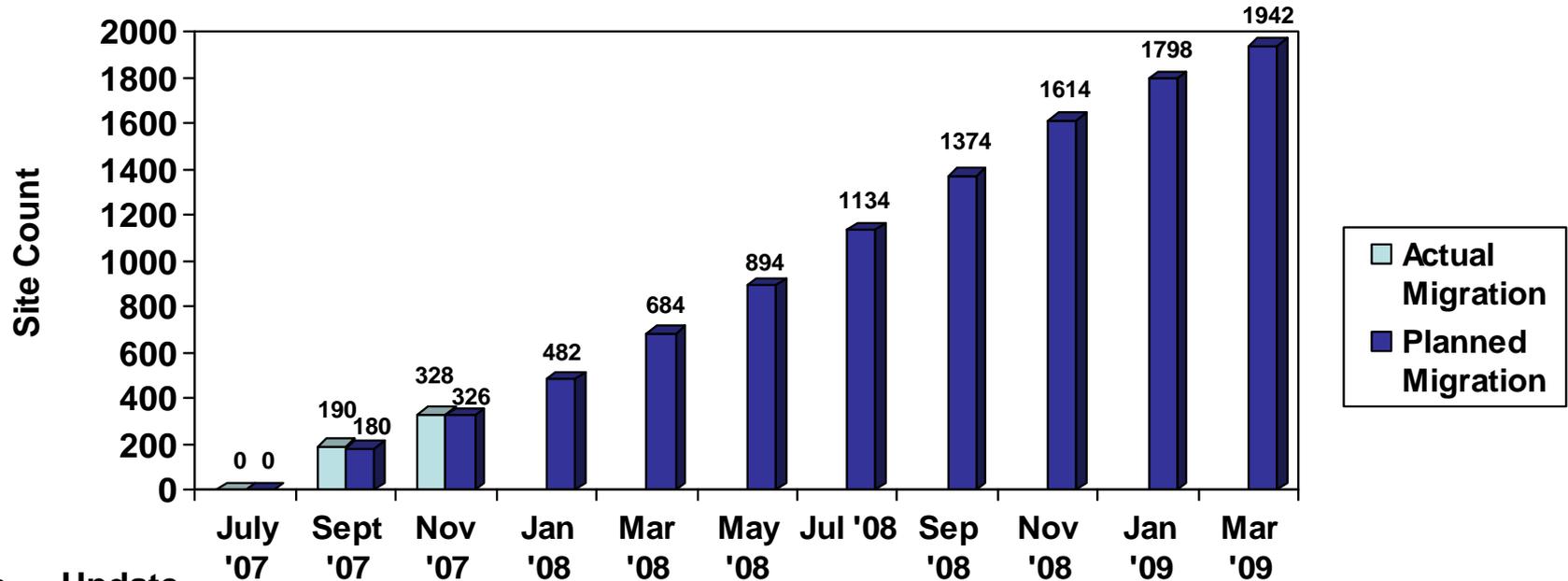


Messaging Quarterly Run Rate

Exchange End User Migration Approach



Network Migration



- **Update**

- 339 sites converted to MPLS as of November 28
- DEQ and VDH HQ network cross connects in place
- Kickoff completed for DRS, DJJ, VDOT, ABC, VDH, DEQ, VEC, DOC, DMV
- Completed site surveys for VDH, LVA, VRC, and VEC

- **Moving forward**

- Perform site surveys for Mental Health, DMV, and VDOT
- LVA and VRC: Final network requirements are being reviewed
- December's Agency Transformation: DJJ, VDOT, VDH, VEC

Server Consolidation Notional Schedule

| Agency | Consolidation Date Confirmed | Consolidation Start | Consolidation Complete | Total Target Servers |
|--------|------------------------------|---------------------|------------------------|----------------------|
| VDOT | Y | 5 Sept 07 | 16 Jan 08 | 325 |
| DMV | Y | 8 Aug 07 | 1 Feb 08 | 350 |
| TAX | Y | 10 Aug 07 | 11 Jan 08 | 185 |
| VDH | N | 25 Sept 07 | 15 Feb 08 | 370 |

▶ Process to discover Servers:

- Validate Inventory
- Obtain data not provided by automated tools
- Classify servers via eligibility category



Server/Mainframe: 30 Day Outlook of Key Activities

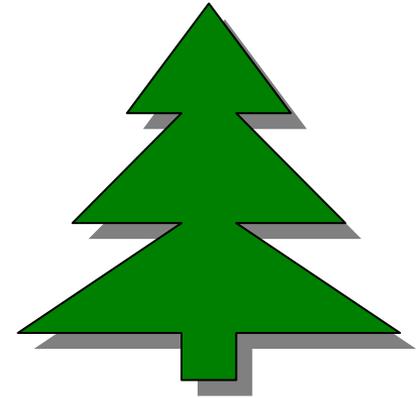
Server

- ▶ Complete Server Consolidation at DMHMRSAS (EOY requested by Agency)
- ▶ Complete pilot Server Consolidation testing in VDOT, DMV, VDH, DOC
- ▶ Complete production Peregrine interface integration for HPOV
- ▶ Removal of rack and spare systems from RPB (this will include relocation of usable items to the SWESC facility)
- ▶ SITL Lab reconnection in CESC and population with test load sets (in support of Server Consolidation, Chargeback, Messaging)

Mainframe

- ▶ Mainframe relocation for 15 agencies scheduled for weekend of 12/15 and 12/16
 - Agencies are engaged and are aware of relocation impacts; application availability and Internet will not be available during relocation
 - Command Center to coordinate with agencies during relocation

Questions?



Happy Holidays!!

2007 INFORMATION RISK EXECUTIVE COUNCIL[®]

A Proven Resource for Addressing Your Urgent Priorities

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*Increasing the Effectiveness of
Executives and Their Enterprises*

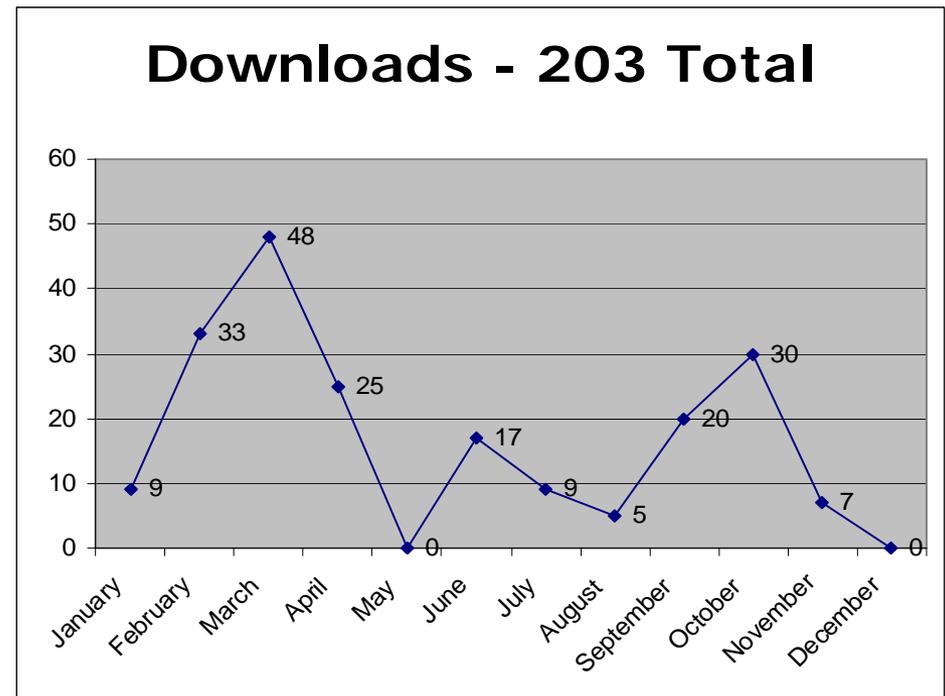




2007 IREC COV Utilization

Online: 60 people visited the IREC website in 2007 (137 total logins)

Teleconferences: 9 people attended an IREC teleconference in 2007



25+

Years of Experience

The Corporate Executive Board is the world's premier network for leading executives to solve their most urgent shared challenges.

40+

Distinct Executive Programs

Members use the collective experience and insight of our network every day to improve their personal and corporate performance.

45+

Countries Represented in Our Network

Our shared-cost research model allows us to provide insight at the quality standard of the leading strategy consultants but at a fraction of the cost.

3,000+

Member Organizations Worldwide



EXBD on NASDAQ

OUR CORE VALUES

Force of Ideas

We believe that great ideas—acute insights rooted in microeconomics and informed by human behavior—can carry an organization forward more surely than can access to superior resources, market power, or sheer effort. Our corporate task is to discover these ideas wherever they arise, within and beyond the membership, and to teach them to the membership at large.

Spirit of Generosity

Our ambition is to forge relationships with our members that go beyond the merely commercial. This spirit is expressed in our business model, which directs that wherever possible we provide our services in unlimited amount. This aim beyond commerce also informs our personal relations; our goal is to serve members and each other beyond expectation and with appreciation, bringing honest joy to the opportunity to serve.

THE FIRM IN BRIEF

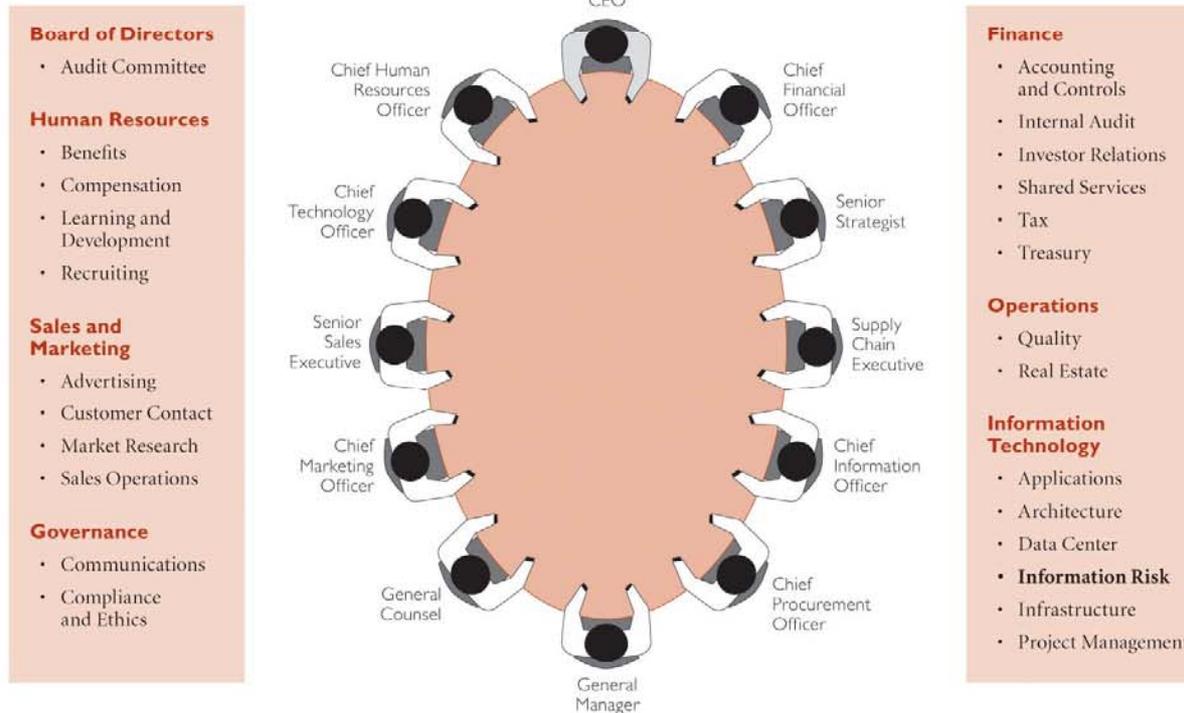
The Corporate Executive Board provides best practices research, decision-support tools, and executive education to a membership of the world's leading corporations and not-for-profit institutions. Our member network spans all major areas of functional management, general management, and organizational governance. Our work focuses on identifying practical solutions—strategies, frameworks, and time-saving tools—that will allow our members to avoid rework and duplication of effort in addressing their urgent priorities.

With more than 25 years of experience in managing high-quality executive memberships, more than 3,000 large corporate members around the world, and 2,400 staff in our Washington, D.C., London, and New Delhi offices, we are more excited than ever about the unique capability we offer our members and the opportunities that lie ahead to extend our impact on the executives and enterprises we serve.

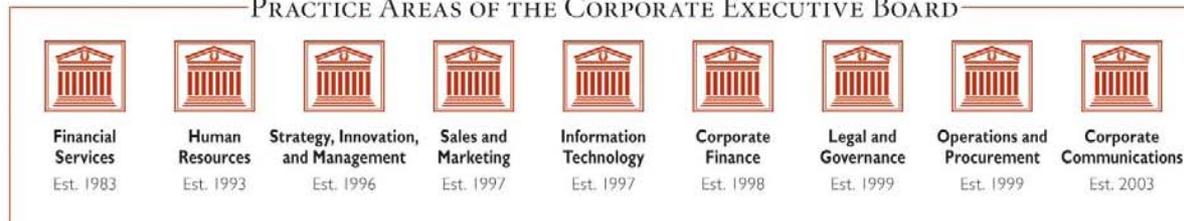
THE WORLD'S PREMIER EXECUTIVE NETWORK

Connecting Thought Leaders to Each Other and to New Ideas

Functions Served by Executive Board Memberships



PRACTICE AREAS OF THE CORPORATE EXECUTIVE BOARD



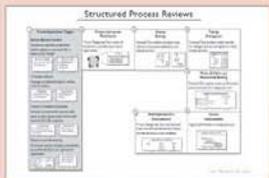
A PROVEN MODEL FOR CREATING VALUE

Delivering High-Quality Insights, Practitioner, Peer-Tested Resources—at Low Cost

| | <i>CEB IT Practice's Focus</i> | <i>Traditional IT Research Firms' Focus</i> |
|--------------------|--|---|
| Perspective | <ul style="list-style-type: none"> • Cross-functional, business-driven IT perspectives provided through programs established with senior executives across the enterprise | <ul style="list-style-type: none"> • Siloed IT-centric perspective with memberships comprising senior and junior executives |
| Objectivity | <ul style="list-style-type: none"> • Annual membership contributions represent 100% of our revenue | <ul style="list-style-type: none"> • Up to 40% of revenue from vendors • Follow-on consulting services |
| Agenda | <ul style="list-style-type: none"> • Research agenda set by members annually | <ul style="list-style-type: none"> • Analyst-set research agenda |
| Methodology | <ul style="list-style-type: none"> • Step-by-step management guides based on proven practices from peer organizations • Focus on field-tested management practices and implementation tools • Peer-tested reviews of technologies and infrastructures | <ul style="list-style-type: none"> • Analyst-based management recommendations unproven at real organizations • Focus on technology and vendor recommendations |
| Pricing | <ul style="list-style-type: none"> • Annual fixed contribution provides enterprise-wide, unmetered access • Unlimited event attendance, customized research projects, and research downloads across team | <ul style="list-style-type: none"> • Incremental fees for “premium services” such as analyst calls and custom research • Seat-based charges for events and access to research |

Emphasis on a Member-Centric Agenda Executed to Deliver Immediate Value

Step-by-Step Implementation Guides from Member Companies



Implementation Tools and Templates

Performance Scorecards



Staff Development Toolkits



ROI Estimator



Diagnostics



Vendor-Free Member Events



Vendor Knowledge Exchange



Online inventory of peer-tested reviews and direct networking on technologies and infrastructures

CHALLENGES OUR MEMBERS CURRENTLY FACE

Which of These Are Priority Issues for You?

Strategy and Governance

Representative Challenges

Strategic Planning

Developing a three-year strategic plan

Cross-Functional Alignment

Understanding priorities of key stakeholders

Organizational Design

Creating roles and responsibilities for effective information risk governance

Security Policy Management

Representative Challenges

Policy Design

Creating a standards-based security policy framework

Awareness and Training

Instilling secure behavior in end users

Monitoring

Monitoring compliance with security policies

Regulatory Compliance

Representative Challenges

Compliance Roadmap

Creating a unified view of regulatory compliance requirements

Data Privacy

Developing pragmatic strategies for protecting personally identifiable information

Audit Support

Educating and coordinating with the Audit function

Architecture and Technology

Representative Challenges

Identity Management

Implementing a business-appropriate identity management strategy

Perimeter Design

Creating a network security blueprint for the extended enterprise

Information Protection Technologies

Leveraging technology controls to protect sensitive intellectual property

Security Process Management

Representative Challenges

Security Operations

Improving the efficiency of security operations

Third-Party Risk Management

Assessing information risks associated with offshoring relationships

Application Security

Embedding security in the applications development lifecycle

Measurement and Reporting

Representative Challenges

Risk Assessment

Developing a comprehensive risk assessment framework

Maturity Benchmarking

Measuring organizational maturity and effectiveness

Performance Communication

Designing the Information Risk scorecard

Our Major Initiatives for 2008

Enabling Secure "Consumerization" of IT

The Challenge

As "Generation Y" becomes a larger percentage of the workforce, companies are seeing rapid adoption of consumer technologies in the workplace—ranging from use of IM for customer interaction to collaboration using Web 2.0 technologies. These usage patterns challenge the traditional information security approach of "react and shut down" and render existing security architectures obsolete, forcing CISOs to reinvent the security architecture to one that "anticipates and enables." Seventy-seven percent of members cite this as their topmost priority for 2008 given the small window available for the redesign—to "build-in" security during the adoption/refresh of the IT back end (such as virtualization and SOA).

The Solution

The Council will help members redesign their security architecture and controls roadmap in the following ways:

- ▶ Helping members articulate the trade-offs between new technology-enabled productivity versus risks
- ▶ Rebuilding the perimeter around data, devices, and applications to enable secure internal and external collaboration
- ▶ Integrating security and compliance requirements to rationalize controls

Member Impact

Members will see cost-efficiencies in the development of a risk-informed yet business-aligned roadmap by leveraging the following:

- ▶ Best-in-class security architecture blueprints for different business and IT contexts
- ▶ Benchmarks on policy posture on consumer and collaboration technologies
- ▶ Deployment toolkits for technologies such as data leakage prevention and network access controls

Building a Pragmatic Risk Governance Framework

The Challenge

Council members anticipate an ambitious project pipeline for 2008—an average of five new security technologies will be rolled out.

Project success in the security space is often elusive given the significant business productivity implications of these deployments and the need for cross-functional funding and process changes. Hence it is critical that business stakeholders are fully bought-in on the need for and benefits of these controls. However, most organizations lack an effective framework for governing risk decisions which result in the enterprise consistently "mispricing" information risk.

The Solution

The Council will identify techniques for developing governance models that are most effective at the following:

- ▶ Gauging the corporation's risk tolerance
- ▶ Ensuring line ownership and accountability for risk decisions

Pragmatic, yet effective governance is critical for the success of initiatives ranging from data classification to large-scale identity management deployments to coordinating effectively with physical security and other risk functions.

Member Impact

Members will see improved acceptance and success of new security projects, resulting from specific deliverables such as the following:

- ▶ Best-in-class governance models
- ▶ Techniques for measuring risk tolerance and comparing corporate risk baselines
- ▶ Security review toolkits for specific project types (such as applications development, infrastructure refresh, etc.)

Other Significant Initiatives

- ▶ Tackling the threat posed by malicious insiders
- ▶ Revamping application security processes for new technologies such as SOA
- ▶ Developing geographic location-specific security strategies



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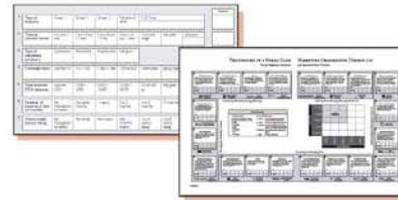
Research and Analysis

Identify Best Practices



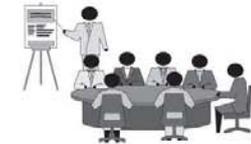
Benchmarking Data and Diagnostic Tools

Prioritize Investments



Execution Support

Save Time on Execution



OUR RELATIONSHIP MANAGEMENT APPROACH

- Installation call to develop a working partnership for the coming year
- Engagement call to key staff to stimulate immediate use of services
- Account management team to map your priorities to Council resources to drive value
- Regular check-in and future-year planning to reprioritize support

Best Demonstrated Practices

Exportable strategies and tactics from leading companies for overcoming major strategic challenges

Research Briefs

Synopses of key findings from primary or secondary research on emerging issues or specific tactical challenges

Vendor Knowledge Exchange

Unbiased peer-tested reviews and direct networking on technologies to assist in technology investment decisions

Budget and Organization Benchmarking

Detailed data on information risk management organizational models, governance structures, and resource allocation

CISO Effectiveness Benchmarking

Annual survey and quantitative analysis providing actionable insight into key management drivers of CISO effectiveness

Competency Diagnostic

Customized online exercise for calibrating expectations for information risk management against a world-class standard

Project Acceleration Toolkits

Online repositories of actionable, member-submitted tools and templates to assist in execution across all stages of the security project lifecycle

Security Project Implementation Guides

Terrain overviews, lessons learned, and detailed implementation tips on high-impact technology projects, featuring interviews with leading practitioners

Facilitated Networking

Ad hoc networking conversations or discussion groups based on shared implementation challenges

MULTIPLE CHANNELS MAKE IT EASY FOR YOU TO ENGAGE WITH THE MEMBER NETWORK

Senior Executive Engagement

Frame Thought and Stimulate Ideas



Annual Executive Retreats

Highly interactive meetings restricted to the seniormost information risk executive

Member-Hosted Forums

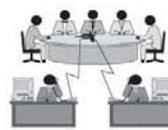
Highly interactive meetings hosted by a member for seniormost executives on a topic of particular interest

Executive Networking

Prewired introductions among members and executives at other organizations who possess relevant expertise or shared challenges

Meetings and Events for Key Staff

Develop New Skills



Staff Briefings

Broad gatherings designed to expose direct reports and high-potential staff to ideas and practices presented in seniormost forums

Practitioner Teleconferences

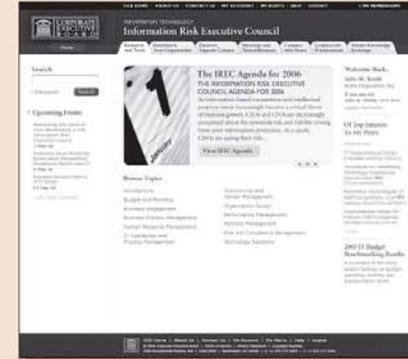
Succinct overviews of Council research, facilitated by member-practitioners, with the opportunity for attendees to ask questions and discuss implementation details

Emerging Issue Cohorts

Issue-based teleconferences and meetings, facilitated by the Council, revolving around critical, time-sensitive issues facing information risk executives across multiple industries

Members-Only Online Resources

Discover Proven Solutions Powered by Your Peers



Research and Tools

Browse or search for all best practices provided by the Information Risk Executive Council.

Benchmark Your Organization

Participate in Council surveys and diagnostics, benchmark your organization against others, and view aggregate results.

Decision Support Centers

Access all research, tools, and templates on a specific topic area.

Meetings and Teleconferences

View all executive and team events, register for a retreat or teleconference, and recommend events to your coworkers.

Connect with Peers

Network with peers at other organizations on a specific issue or challenge via our online listserv technology.

Graphics for Presentations

Reuse Council graphics available in a convenient PowerPoint format for your own internal presentations.

www.irec.executiveboard.com



EPNConnect™

Find the Right Networking Partner, Right Now

For years, members of the Information Technology Practice have formed probably the most powerful network of technology executives in the world. For the first time, you can gain direct, 24-hour access to that network

What Is EPNConnect?

A new online service, open to all members of the Corporate Executive Board's Information Technology Practice, which gives members instant access to the world's leading technology executive network

How Does EPNConnect Help You?

- Search through thousands of technology executive profiles to pinpoint and contact ideal networking partners
- Get answers to your professional challenges from unbiased, experienced peers—whenever you need to do so
- Leverage EPNConnect exchanges to extend your professional network beyond your immediate location and industry



Representative Questions Shared Between Members of the EPNConnect Network

“I need a highly credible approach to a critical problem by Thursday afternoon”

“I just got some tough news and would like your unbiased opinion.”

“We are now private-equity owned. What should I expect to change?”

“What paths to a CEO role should someone in my position consider?”

“I have a technical question. Can you—or a colleague—help me address it?”



INFORMATION RISK EXECUTIVE COUNCIL

2007–2008 Schedule of Events¹

| Fourth Quarter 2007 | First Quarter 2008 | Second Quarter 2008 |
|--|---|---|
| <p>Member Meetings</p> <p><i>Annual Executive Retreat</i> Informed Decisions: Aligning Risk Mitigation Investments and Approaches to Business Needs <i>London, 9–10 October ▲</i> <i>Chicago, 18–19 October ▲</i> <i>Washington, D.C., 27–28 November ▲</i></p> <p><i>Leadership Briefings (For Key Members of Your Staff)</i> <i>New York, 3 October ▲</i> <i>Chicago, 8 November ▲</i> <i>London, 18 December ▲</i></p> | <p><i>Annual Executive Retreat</i> Bridging the Communication Gap: Strategies for Shaping Behaviors and Informing Risk Trade-Offs <i>Washington, DC, 21–22 February ▲</i></p> <p><i>Leadership Briefing (For Key Members of Your Staff)</i> <i>Washington, DC, 21–22 February ▲</i></p> <p><i>Member-Hosted Forum</i> Strategies for Effective Adoption of Key Information Protection Technologies <i>TBD, 5 March ▲</i></p> | <p><i>Annual Executive Retreat</i> Title TBD <i>Washington, DC, 15–16 May ▲</i> <i>New York, 24–25 June ▲</i></p> |
| <p>Teleconferences²</p> <ul style="list-style-type: none"> • <i>Applications Security Series I</i> Embedding Security in the ERP Compliance Process <i>16 October ▲</i> • <i>Business Alignment Diagnostic</i> Review of Survey Results and Benchmarks <i>25 October ▲</i> • <i>Intellectual Property Protection Series III</i> Effective IP Incident Response Protocols <i>20 November ▲</i> • <i>Organizational Planning</i> Information Risk Budget and Spend Benchmarks <i>29 November ▲</i> • <i>Applications Security Series II</i> Embedding Security in the SDLC <i>11 December ▲</i> • <i>Key Developments in Information Risk</i> An IREC Briefing for CIOs <i>20 December ▲</i> | <ul style="list-style-type: none"> • <i>Key Enterprise Priorities for 2008</i> Review of Agenda Survey Results <i>8 January ▲</i> • <i>Leveraging IREC</i> Primer on Council Resources and Services <i>22 January ▲</i> • <i>End-User Awareness Series I</i> Drivers of Secure Behavior—Survey Results <i>5 February ▲</i> • <i>Regulatory Compliance Series I</i> Enhancing Records Management and E-Discovery Capabilities <i>4 March ▲</i> • <i>Intellectual Property Protection Series IV</i> Pragmatic Data Classification Approaches <i>13 March (6:00–7:00 PM ET) ▲</i> • <i>Intellectual Property Protection Series IV</i> Pragmatic Data Classification Approaches <i>18 March ▲</i> | <ul style="list-style-type: none"> • <i>Organizational Planning</i> Information Risk Budget and Spend Benchmarks (Replay) <i>1 April ▲</i> • <i>Security Technology Deployment Series I</i> Data Leakage Prevention <i>15 April ▲</i> • <i>End-User Awareness Series II</i> Segmenting Communication Strategies to Drive Lasting Behavior Change <i>6 May ▲</i> • <i>Security Technology Deployment Series II</i> Network Access Controls <i>3 June ▲</i> • <i>Security Technology Deployment Series I+II</i> Recap <i>12 June (6:00–7:00 PM ET) ▲</i> • <i>Threat Environment Benchmarking</i> Review of Practitioner Threat Forecasting Data <i>17 June ▲</i> |

¹ Subject to change pending member input.

² Teleconference Timings: Please note that all teleconferences will be held on the third Tuesday of the month from 11:00 a.m. to 12:30 p.m. EST (16:00–17:30 GMT) unless otherwise specified.

Earning CPE Credits

Council members can earn CPE credits for several information security and privacy related certifications by attending meetings and teleconferences.

▲ (ISC)² Certifications: CISSP, SSCP, CAP

■ International Association of Privacy Professionals Certification: CIPP

Dallas/Fort Worth International Airport • Danish Crown AmbA • Danske Bank A/S • David Jones Ltd. • Dawn Food Products, Inc. • Deere & Company • Del Monte Foods Company • Denny's, Inc. • Denso International America, Inc. • Desjardins Group • Deutsche Post AG • Dex Media, Inc. • DHL Holdings (USA), Inc. • Diageo plc • The Diamond Trading Company • Dick's Sporting Goods, Inc. • Diebold, Inc. • Discovery Communications, Inc. • Dollar Tree Stores, Inc. • Dominion Resources, Inc. • Domino's Pizza, Inc. • Dover Electronics, Inc. • The Dow Chemical Company • Dow Corning Corporation • Dow Jones & Company, Inc. • DreamWorks SKG • Dreyer's Grand Ice Cream Holdings, Inc. • Duchossois Industries, Inc. • Dunkin' Brands, Inc. • Dynegey, Inc. • Eastman Kodak Company • eBay, Inc. • Eddie Bauer Holdings, Inc. • Edison International • Educational Testing Service • Electrolabel S.A. • Electronic Arts, Inc. • Eli Lilly and Company • El Paso Corporation • Emap Plc • EMCOR Group, Inc. • Emerson Electric Co. • EMI Group plc • Energen Corporation • EnergyAustralia • ENMAX Corporation • ENSCO International, Inc. • Enterprise Ireland • Ernst & Young • ESPN, Inc. • E*TRADE Financial Corp. • Expedia, Inc. • Exxon Mobil Corporation • Fairmont Hotels & Resorts, Inc. • Fannie Mae • Federal Aviation Administration • FedEx Corporation • F5 Networks, Inc. • Finland Post Group • First Charter • FirstGroup plc • First Niagara Financial Group, Inc. • Fisher-Price, Inc. • Flowers Foods, Inc. • Ford Motor Company • Franklin Covey Co. • Freddie Mac • Fremont General Corporation • Frito-Lay, Inc. • Fromageries Bel S.A. • Fuji Photo Film U.S.A., Inc. • Gallaher Group Plc • Gambro Renal Products • GE Energy • GEICO • Genentech, Inc. • General Mills, Inc. • General Motors Corporation • Getronics • Getty Images, Inc. • Girl Scouts of the United States of America • GlaxoSmithKline plc • Global Knowledge Training LLC • GN ReSound • Goodrich Corporation • Goodwill Industries International, Inc. • Graham Packaging Company, LP • Granite Construction, Inc. • Grant Prideco, Inc. • Grant Thornton LLP • Great Plains Energy, Inc. • Greif, Inc. • GroupM • Grundfos Management A/S • Grupo Televisa, S.A. • Grupo Uralita • Guardian Industries Corp. • Halliburton • Hallmark Cards, Inc. • H & R Block, Inc. • Hannaford Bros. Co. • Hanson PLC • Harrah's Entertainment, Inc. • Harris Teeter, Inc. • Harco Corporation • Hawaiian Electric Company, Inc. • HealthMarkets • Heineken N.V. • Hennepin County, Minnesota • Hercules, Inc. • Hershey Foods Corporation • Hess Corporation • Hibernian Group • Hilton Hotels Corporation • H.J. Heinz Company Ltd. • Honeywell International, Inc. • Horizon Lines, Inc. • Houghton Mifflin Company • HP Hood LLC • HSBC Bank Australia Ltd. • Hubbell, Inc. • Humana, Inc. • Huntsman Corporation • ICMA Retirement Corporation • IDACORP, Inc. • InBev NV/SA • Indigo Books & Music, Inc. • ING Direct • Ingersoll-Rand Company Ltd. • Integral Energy Australia • Inter IKEA Systems B.V. • Intermagnetics General Corporation • International Paper Company • Interstate Bakeries Corporation • Intuit, Inc. • Invensys plc • IPSCO, Inc. • Itron, Inc. • Jabil Circuit, Inc. • Jackson National Life Insurance Company • Jafrá Cosmetics International • Jardine Matheson Holdings Ltd. • J. Crew Group, Inc. • Johnson & Johnson • John Wiley & Sons, Inc. • The Jones Financial Companies, L.L.P. • Jostens, Inc. • JPMorgan Chase & Co. • JT International S.A. • Kaiser Permanente • KB Toys, Inc. • Keane, Inc. • Kellogg Company • KeySpan Corporation • Kirkland & Ellis LLP • Knight Ridder, Inc. • Kohler Co. • Kohl's Corporation • Komerční banka, a.s. • Koninklijke Philips Electronics N.V. • Kraft Foods, Inc. • Labatt Brewing Company Ltd. • Lafarge S.A. • Land O'Lakes, Inc. • La Poste • LaSalle Bank • LeapFrog Enterprises, Inc. •



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Your 2008 IREC Decision

Please vote whether or not to continue the relationship with IREC by emailing VITASecurityServices@VITA.Virginia.Gov with IREC Yes or IREC No in the subject line.



Commonwealth Webmaster's Group

Emily Hines Seibert
PR & Marketing Specialist

ISOAG Meeting
December 12, 2007



Commonwealth Webmasters

- Who are these people and what are they doing?
 - Collaborative group/community of interest
 - Open to any government Web staffer
 - Listserv provides day-to-day collaboration
 - Group meetings provide demonstrations, tools and inspiration



Recent meeting highlights

- Secretary of Technology Chopra introduced the Productivity Investment Fund and requested innovative ideas
- Microsoft conducted a “Virtual Earth” Webinar to display mapping technologies
- Foreign language workgroup led discussion about options and challenges
- Commonwealth Security Architect provided security tips



Informal Webmaster Workgroups

- Workgroups are formed as needed to address common issues
- Workgroup members usually volunteer based on interest and/or expertise
- Members provide good range of perspectives for common solutions
- Currently workgroups are studying foreign language translations, multimedia



Formal Workgroups

- Commonwealth's Web Site Policy, Standard and Guideline Work Group is chartered, with objectives and scope
- Convenes to review and suggest needed revisions of the current versions of the *Web Site Policy* (ITRM GOV105-00), *Web Site Standard* (ITRM GOV106-01), and *Web Site Guideline* (ITRM GOV107-00)
- Efforts are documented in an Enterprise Architecture sub-domain report on Virginia government Web sites for inclusion in the Application Domain of the Commonwealth's Enterprise Technical Architecture
- Comprised of subject matter experts from a wide cross section of agencies
- Reconvening in January 2008



Collaboration Enables Innovation

- Inside the agency environment, often hard to participate in enterprise thinking
- Web staff size and capability varies greatly
- Many areas of expertise in the “Web” domain
- Group participation allows sharing of ideas and expertise, fosters mentoring and innovation – as in the security groups



Innovation in Action

David Foster
eCommerce Analyst - eVA Operations,
Department of General Services



Innovation in Action

- Last October Kevin Adler, [Microsoft Virtual Earth Geospatial Solutions Specialist](#), was invited to give a 15 minute presentation at a Commonwealth of Virginia Webmaster meeting. In that 15 minutes, he did share the web address for the [Virtual Earth online interactive software development kit](#).
- As a result of the presentation the Commonwealth was able to harness the power of Virtual Earth measured in days, not years.

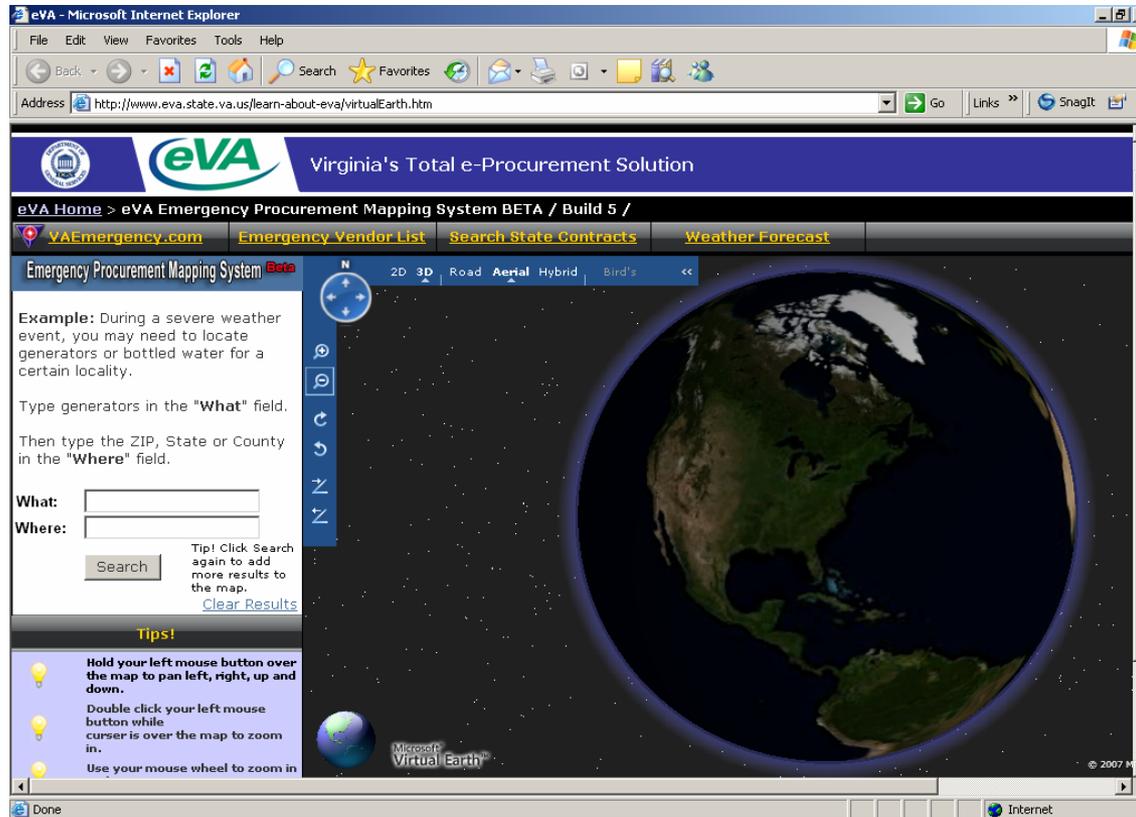


Emergency Procurement Mapping System **BETA**

TOOLS

- Virtual Earth online interactive software development kit.
- FrontPage or Dreamweaver Html Editors
- Adobe Photoshop
- Web server
- Development Time: Approximately 5 hours

Emergency Procurement Mapping System BETA



The screenshot shows a web browser window titled "eVA - Microsoft Internet Explorer" with the address bar displaying "http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm". The page header includes the eVA logo and the text "Virginia's Total e-Procurement Solution". Below the header, there are navigation links: "eVA Home", "eVA Emergency Procurement Mapping System BETA / Build 5 /", "VAEmergency.com", "Emergency Vendor List", "Search State Contracts", and "Weather Forecast".

The main content area is titled "Emergency Procurement Mapping System BETA" and features a search interface. It includes an "Example" section: "Example: During a severe weather event, you may need to locate generators or bottled water for a certain locality. Type generators in the 'What' field. Then type the ZIP, State or County in the 'Where' field." Below this are input fields for "What:" and "Where:", a "Search" button, and a "Clear Results" link. A tip states: "Tip! Click Search again to add more results to the map." Another tip section titled "Tips!" provides instructions: "Hold your left mouse button over the map to pan left, right, up and down.", "Double click your left mouse button while cursor is over the map to zoom in.", and "Use your mouse wheel to zoom in".

The right side of the interface is dominated by a large 3D map of the Earth, showing the Americas. The map is controlled by a vertical toolbar on the left with icons for pan, zoom, and other navigation functions. The map interface includes a compass, a "2D 3D" toggle, and a "Road Aerial Hybrid Bird's" view selector. The Microsoft Virtual Earth logo and a copyright notice "© 2007 M" are visible at the bottom of the map area.



Emergency Procurement Mapping System BETA

eVA - Microsoft Internet Explorer

Address: <http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm>

Virginia.gov Online Services | Commonwealth Sites | Help | Governor

eVA Virginia's Total e-Procurement Solution

eVA Home > eVA Emergency Procurement Mapping System BETA / Build 5 /

VAEmergency.com Emergency Vendor List Search State Contracts Weather Forecast

Emergency Procurement Mapping System BETA

Example: During a severe weather event, you may need to locate generators or bottled water for a certain locality.

Type generators in the "What" field.

Then type the ZIP, State or County in the "Where" field.

What:

Where:

Search

Tip! Click Search again to add more results to the map.

[Clear Results](#)

Tips!

Hold your left mouse button over the map to pan left, right, up and down.

Double click your left mouse button while cursor is over the map to zoom



Emergency Procurement Mapping System BETA

eVA - Microsoft Internet Explorer

Address: <http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm>

Virginia.gov Online Services | Commonwealth Sites | Help | Governor

eVA Virginia's Total e-Procurement Solution

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Emergency Procurement Mapping System BETA

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Type generators in the "What" field.

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What:

Where:

Search

Tip! Click Search again to add more results to the map.

[Clear Results](#)

Tips!

- Hold your left mouse button over the map to pan left, right, up and down.
- Double click your left mouse button while cursor is over the map to zoom

Patton's Inc
6527 Dickens Pl, Richmond, VA
(804) 249-6827



Emergency Procurement Mapping System BETA

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Address: <http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm>

Virginia.gov Online Services | Commonwealth Sites | Help | Governor

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Emergency Procurement Mapping System **BETA**

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Emergency Procurement Mapping System BETA

The screenshot shows a web browser window titled "eVA - Microsoft Internet Explorer". The address bar contains the URL "http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm". The page header includes the Virginia.gov logo and navigation links for "Online Services", "Commonwealth Sites", "Help", and "Governor". Below this is the "eVA" logo and the text "Virginia's Total e-Procurement Solution". The main content area is titled "eVA Home > eVA Emergency Procurement Mapping System BETA / Build 5 /". A navigation menu includes "VAEmergency.com", "Emergency Vendor List", "Search State Contracts", and "Weather Forecast". The main interface features a map titled "Emergency Procurement Mapping System BETA" with a search panel on the left. The search panel contains an "Example" text, instructions for using the "What" and "Where" fields, and a search form with the following input: "What: generators" and "Where: 23228". A "Search" button is present, along with a "Clear Results" link. A "Tips!" section provides instructions on how to pan and zoom the map. The map itself shows an aerial view of a campus area with two red pushpin markers. The browser's status bar at the bottom indicates "Done" and "Internet".



Microsoft Blog

Virtual Earth For Government: Emergency Procurement Through Virtual Earth - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Internet Options

Address http://virtualearth4gov.spaces.live.com/blog/cns!369839f890ce30c1!571.entry Go Links SnagIt

Windows Live™ Home Hotmail Spaces OneCare Spaces Web Sign in

Virtual Earth For Govern... Photos Profile Friends Blog

Blog

Listed by date

Entries

Summary

December, 2007

November, 2007

October, 2007

September, 2007

August, 2007

July, 2007

June, 2007

May, 2007

April, 2007

March, 2007

February, 2007

January, 2007

Print

November 15

Emergency Procurement Through Virtual Earth

Here's how easy it is to develop a Microsoft Virtual Earth based application:

Kevin Adler, [Microsoft Virtual Earth](#) Geospatial Solutions Specialist, was invited to give a 15 minute presentation at a Commonwealth of Virginia Webmaster meeting. My buddy Kevin only gets warmed up after 15 minutes and can then continue extolling the virtues of Virtual Earth long afterward. In that 15 minutes, he did share the web address for the [Virtual Earth online interactive software development kit](#).

Here is email that we received from David Foster, one of the webmasters after that 15 minutes:

"At our last web meeting you gave us the Virtual Earth Code. What a great program! I developed a small program with Virtual Earth and demonstrated at the 2007 Forum as a BETA / Labs project for eVA. This application turned out to be a hit for the State and Local Buyers.

Here is the Title of the application:

eVA Emergency Procurement Mapping System

Here is the link: <http://www.eva.state.va.us/learn-about-eva/virtualEarth.htm>

We are making an impact measured in days, not years. Thank you for making this happen."

Had to highlight the above in red. It says it all!

Here is a screenshot from the application. This one you can visit folks. Just follow the example instructions in the left panel. Remember, that 15 minute presentation was the extent of David's Virtual Earth training.

Internet



Agencies who are developing other VE applications

Department of Emergency Management

- [Emergency Procurement Mapping System BETA](#)

Department of Emergency Management

Virginia Department of Forestry

Department of Motor Vehicles

- Map of Virginia with our DMV locations map of Virginia with our DMV locations

Library of Virginia

- Show how much money is spent on libraries throughout the state



Innovation in Action

Judy Napier
Deputy Secretary of Technology



Innovation in Action: Google sitemaps

Partnership with Google significantly improved citizen access to government

- 27 government entities used free tools to create next generation sitemaps for pilot; 55 participants today, more wanted!
- Many joined this effort who had not formerly participated in state Web standards, including higher education, elected officials, museums and independent boards and authorities
- Over 183,000 state URLs have been made newly or more searchable through the sitemap initiative
- Virginia was one of four states to lead this pilot nationally; Governor Kaine's news release is [online](#).



Innovation in Action: Custom Search

Partnership with Google significantly improved citizen access to government

- State portal, www.virginia.gov, installed a Google custom search engine to greatly improve results for state information (it's the algorithm)
- Agencies installed a new common banner on top of their sites to improve citizen usability and provide common elements
- Citizens don't know/don't want to know agency structure
- Custom search feature in common banner allows users to search for needed information and service from any site
- Again, many entities out of scope to standards participated – because it was the right thing to do for citizens.



Partner with your Web staff!

- The Webmasters' listserv, hosted by the Library of Virginia, is open to you.
To subscribe, please see instructions at <http://listlva.lib.va.us/archives/vagovweb.html>
- Encourage your Web staff to subscribe to VITA security updates, and help them as they work to provide efficient government



Questions?

Emily Hines Seibert

Emily.seibert@vita.virginia.gov

804-416-6084



Enterprise Architecture Data Collection

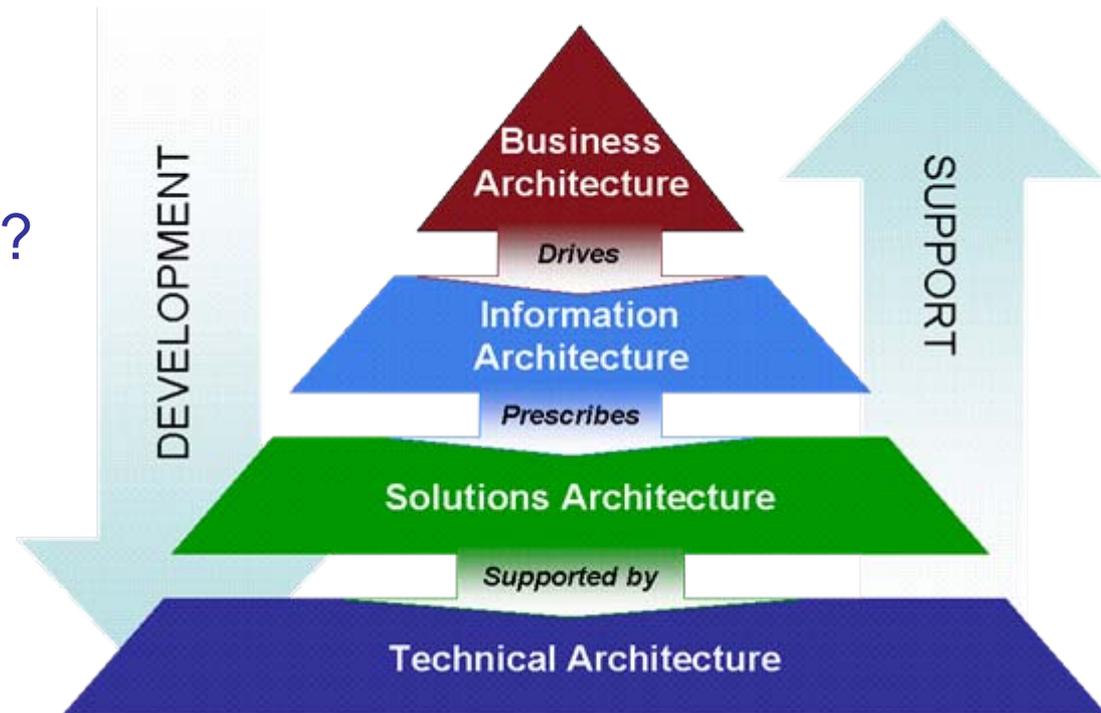
Mike Hammel, Todd Kissam, Easton Rhodd
Enterprise Architects



Enterprise Architecture – What is it?

Planning Framework to align information technology with business functions:

- Where are we now?
- Where do we want to go?
- How do we get there?





Purpose of Data Collection

2007 CIO Objective

- Provide the knowledge base to assist the ITIB and our partners in
 1. gaining a better understanding of how IT investments support the business of the Commonwealth, and
 2. identifying collaboration opportunities through refinement and expansion of the Enterprise Architecture by June, 2008

Collaborative effort with NG and VEAP.



EA Data Collection Outputs

- Inventory of Applications
- Inventory of Data Assets
- Inventory of Software Tools
- Linkages and Interfaces
- Extended EBA for HR and Finance
 - Supports VEAP
- Supplements Configuration Management Database (CMDB)
- Library of Virginia Database Index



Value to Agencies

- Gain a better understanding of how automated solutions support the business of the agency
- Gain a better understanding of how agency data assets are being used (internal and external)
- Data in repository will be shared with any who need it (i.e. single entry from agencies)
- Identifies state data assets
- Identifies available interfaces to state data assets
- Enterprise view supports collaboration of software solutions and sharing of data assets between agencies
- Better pricing on selected software tools
- Identifies who is using and who has expertise in which software tools.

Data Collection Process

Phase 1 Data Collection

- Create a Strawman based on previously collected data
- Meet with agency to review Phase 1 data collection spreadsheets
- Agency completes and returns spreadsheets to VITA-EA

Three Spreadsheets

- Applications
- Software Tools
- Data Assets



Microsoft Excel Worksheet



Microsoft Excel Worksheet



Microsoft Excel Worksheet



UPCOMING EVENTS!

December 16 – State Payday with new Raises!

Monday December 17, 12:00 - 2:00 ISO Council Meeting with committee meetings from 2:00 – 3:00

Wednesday December 19, 2:00 – 3:00 National Webcast on Botnets sponsored by the U. S. Department of Homeland Security's National Cyber Security Division and the Multi-State Information Sharing and Analysis Center

Tuesday January 8, 1:00 - 4:00 ISOAG meeting

Wednesday January 9 General Assembly Session

January ISO Orientation Date TBD register by emailing VITASecurityServices@VITA.Virginia.Gov



UPCOMING EVENTS!

March 3, 2008 – March 8, 2008 SANS AT VA TECH

Virginia Tech has been sponsoring onsite SANS classes every March since 2001 and these classes are available to state and local government employees including state and local law enforcement at a substantial discount.

The registration URL is <http://www.cpe.vt.edu/isect>.

The price is \$700/person for the entire event.

Topics include: PCI Compliance, Advanced Network Worm and Bot Analysis, Windows Command-Line Kung Fu In-Depth and Reverse-Engineering Malware.

Many thanks to Randy Marchany, Virginia Tech IT Security Lab Director for letting us know about this opportunity!



Other Business





Partnership Audits

- **SAS 70 Type II Audit – Infrastructure services delivered to 26 agencies**
- **Security Audits – Security Controls on Infrastructure services delivered to 8 agencies**
- **Applicable portions of reports will be provided hardcopy to the Agency ISO not later than early January**

