Fifth Annual
OKLAHOMA CYBER SECURITY SEMINAR

NOVEMBER 30 - DECEMBER 1, 2009
## Seminar-at-a-Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Day One - November 30</th>
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<tbody>
<tr>
<td>7:30 - 8:00</td>
<td>Registration / Check-in / Networking</td>
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<td>8:00 - 8:30</td>
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<td>8:30 - 9:00</td>
<td>Briefing: OKOHS Director Kerry Pettingill – Executive Order 2009-11—Continuity of Government</td>
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<td>9:15 - 10:15</td>
<td>Keynote: FBI SA Matt Harper - Cybercrime Update</td>
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<td>10:30 - 12:30</td>
<td>Exercise Track Room C Security Incident Management</td>
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<td>12:30 – 1:50</td>
<td>Rotunda Box Lunch Panel Discussion: Risk Assessments</td>
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<td>2:00 - 4:00</td>
<td>Exercise Track Room C Encryption and Data Protection</td>
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<td>Hot Wash</td>
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DAY ONE: November 30 - Monday

07:30 a.m. – 08:00 a.m.  
**Registration, Check-In, and Networking**

08:00 a.m. – 08:30 a.m.  
**Opening Remarks and Introductions, Seminar Center Rooms A-B-C-D-E**
Ken Ontko, Information Security Officer, Office of State Finance
Joe Fleckinger, Deputy Director, Information Services Division, Office of State Finance
Sheryl Hale, Oklahoma Department of Career and Technology Education, Oklahoma Cyber Security Education Consortium

08:30 a.m. - 09:00 a.m.  
**Briefing: Executive Order 2009-11—Continuity of Government, Seminar Center Rooms A-B-C-D-E**
Kerry Pettingill, Director, Oklahoma Office of Homeland Security

09:00 a.m. – 09:15 a.m.  
**Break**

09:15 a.m. – 10:15 a.m.  
**Keynote: Cybercrime Update, Seminar Center Rooms A-B-C-D-E**
Matt Harper, Special Agent, Federal Bureau of Investigation
- Member, Cyber Squad
- Founder, Oklahoma InfraGard Chapter
- Bachelor’s and Master’s degrees, University of Missouri
- CISSP
- GSEC, GCIH, GCFA, GCIA certifications, SANS

10:15 a.m. – 10:30 a.m.  
**Break**
10:30 a.m. –12:30 p.m.

**Exercise Track:**
*Security Incident Management, Seminar Center Room C*
Paul Hauck, Office of State Finance  
• Oklahoma’s Incident Response Phases  
• Oklahoma’s Incident Management Process  
• Incident Response Teams  
• Components of Incident Response  
• National Cyber Incident Response Plan (NCIRP)

**Management Track 1:**
*Security Administration, Seminar Center Room A*
Al Heitkamper, Oklahoma City Community College  
• What a Security Program Is  
• Why a Security Program Is Needed  
• What a Security Program Needs to Ensure Compliance

**Management Track 2:**
*Security Audits, Seminar Center Room B*
Girard Jergensen, Office of the Oklahoma State Auditor and Inspector  
• Information Security  
• Key Standards and Best Practices  
• Evaluating Security Using Standards  
• Logs, Darn Logs, and Statistics  
• Case Study

**Management Track 3:**
*Security Risk Management, Seminar Center Room D*
David Crandell, Oklahoma State University Institute of Technology  
• What Is Risk Management?  
• What Is a Risk Assessment?  
• Why Is It Important?  
• How Is It Done?

**Management Track 4:**
*Security Training Programs, Seminar Center Room E*
Charles Knight, Oklahoma Ethics Commission  
• What Is Computer Security Training?  
• Training Packages Available to Us  
• Other Resources Available to You  
• Implementing Your Training Program
12:30 p.m. – 01:50 p.m.

**Box Lunch—Panel Discussion:**

**Risk Assessments**, Seminar Center Rooms A-B-C-D-E

Coalfire Systems, Inc., Louisville, Colorado
True Digital, Tulsa Oklahoma

01:50 p.m. – 02:00 p.m.

**Break**

02:00 p.m. – 04:00 p.m.

**Exercise Track:**

**Encryption and Data Protection**, Seminar Center Room C

Sunita Rajanala, Oklahoma State University Institute of Technology
Randy Ritchey, Oklahoma State University Institute of Technology

- Understanding Encryption (Algorithms, Keys, and Techniques)
- Using Encryption to Protect Information
- Available Forms of Encryption (Commercial, Open Source and Built-In)
- Virtual Private Networks (VPNs) and Secure Socket Layer (SSL)
- Data Sanitization and Destruction

**Management Track 1:**

**Security Audits**, Seminar Center Room A

Girard Jergensen, Office of the Oklahoma State Auditor and Inspector

- Information Security
- Key Standards and Best Practices
- Evaluating Security Using Standards
- Logs, Darn Logs, and Statistics
- Case Study

**Management Track 2:**

**Security Risk Management**, Seminar Center Room B

David Crandell, Oklahoma State University Institute of Technology

- What Is Risk Management?
- What Is a Risk Assessment?
- Why Is It Important?
- How Is It Done?
Management Track 3: Security Training Programs, Seminar Center Room D
Charles Knight, Oklahoma Ethics Commission
• What Is Computer Security Training?
• Training Packages Available to Us
• Other Resources Available to You
• Implementing Your Training Program

Management Track 4: Security Administration, Seminar Center Room E
Al Heitkamper, Oklahoma City Community College
• What a Security Program Is
• Why a Security Program Is Needed
• What a Security Program Needs to Ensure Compliance

DAY TWO: December 1 - Tuesday

07:30 a.m. – 08:00 a.m.
Registration, Check-In, and Networking

08:00 a.m. – 08:30 a.m.
Opening Remarks and Introductions, Seminar Center Rooms A-B-C-D-E
Ken Ontko, Information Security Officer, Office of State Finance
Joe Fleckinger, Deputy Director, Information Services Division, Office of State Finance

08:30 a.m. - 09:00 a.m.
Briefing: House Bill 1170—Information Services Act, Seminar Center Rooms A-B-C-D-E
Joe Fleckinger, Deputy Director, Information Services Division, Office of State Finance

09:00 a.m. – 09:15 a.m.
Break
09:15 a.m. – 10:15 a.m.
**Keynote:**
**Cryptography and Electronic Analysis, Seminar Center**
**Rooms A-B-C-D-E**
Jason Jarnigan, Supervisory Special Agent, Federal Bureau of Investigation, Unit Chief

10:15 a.m. – 10:30 a.m.
**Break**

10:30 a.m. – 12:30 p.m.
**Exercise Track:**
**Tabletop Exercise (TTX): Bad News, Seminar Center Room C**
Paul Hauck, Office of State Finance
- The goal is to present a well-organized, building-block approach for training.
- Exercise participants will work together as a team, identifying and responding to hypothetical cyber security incidents.
- Emphasis will be placed on building conceptual and functional knowledge of Oklahoma cyber incident management procedures.

**Management Track 1:**
**Security Risk Management, Seminar Center Room A**
David Crandell, Oklahoma State University Institute of Technology
- What Is Risk Management?
- What Is a Risk Assessment?
- Why Is It Important?
- How Is It Done?

**Management Track 2:**
**Security Training Programs, Seminar Center Room B**
Charles Knight, Oklahoma Ethics Commission
- What Is Computer Security Training?
- Training Packages Available to Us
- Other Resources Available to You
- Implementing Your Training Program
Management Track 3:
Security Administration, Seminar Center Room D
Al Heitkamper, Oklahoma City Community College
• What a Security Program Is
• Why a Security Program Is Needed
• What a Security Program Needs to Ensure Compliance

Management Track 4:
Security Audits, Seminar Center Room E
Girard Jergensen, Office of the Oklahoma State Auditor and Inspector
• Information Security
• Key Standards and Best Practices
• Evaluating Security Using Standards
• Logs, Darn Logs, and Statistics
• Case Study

12:30 p.m. – 01:50 p.m.
Box Lunch—Panel Discussion:
Whole Disk Encryption, Seminar Center Rooms A-B-C-D-E
McAfee
Symantec
WinMagic

01:50 p.m. – 02:00 p.m.
Break

02:00 p.m. – 04:00 p.m.
Exercise Track:
Hands-On Exercise: Bad News, Seminar Center Room C
Robert Hamilton, Oklahoma Department of Career and Technology Education, Oklahoma Cyber Security Education Consortium
• This exercise concludes and builds upon the discussion-based TTX in a simulated lab environment.
• Participants will work together in pairs, initiating and responding to simulated cyber attacks.
• Insights into Oklahoma’s incident monitoring capabilities will be provided using a QRadar demonstration.
• Participants will complete a short survey to assess their understanding of Oklahoma’s incident management procedures and a DHS Participant Feedback Form to provide recommendations and corrective actions for their respective state entities with respect to Oklahoma’s incident management procedures.
Management Track 1:
Security Training Programs, Seminar Center Room A
Charles Knight, Oklahoma Ethics Commission
- What Is Computer Security Training?
- Training Packages Available to Us
- Other Resources Available to You
- Implementing Your Training Program

Management Track 2:
Security Administration, Seminar Center Room B
Al Heitkamper, Oklahoma City Community College
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- Why a Security Program Is Needed
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Security Audits, Seminar Center Room D
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Management Track 4:
Security Risk Management, Seminar Center Room E
David Crandell, Oklahoma State University Institute of Technology
- What Is Risk Management?
- What Is a Risk Assessment?
- Why Is It Important?
- How Is It Done?

04:00 p.m. – 04:30 p.m.
Exercise Track:
Hot Wash, Seminar Center Room C
- The exercise team will meet to discuss the exercise results and develop preliminary assessments to support the pending DHS HSEEP After Action Report and Improvement Plan Matrix (AAR/IP).