NASA ISSLOB T2T
IT Security Role-Based Training

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Gretchen Morris
Topics to Cover

• Accomplishments
• Offerings
• Lessons learned
• Next steps
Criteria for Course Development

• Roles defined by **Role-Based IT Security Training Matrices** in NIST SP 800-16
  – NIST 800-16 documents 46 modular components which can build a role
  – Modules in each course can be re-used for other roles
  – 800-16 has recommendations which modules could be used to build a role
  – ITSATC has completed 39 beginning and 23 intermediate modules

• NASA-specific courses include info, such as:
  – Processes
  – NASA-specific titles

• **ISSLOB T2T Requirements**
  – 508-compliant
  – Shared Content Object Reference Model (SCORM) compliant
  – Learning Management System (LMS) compatible (i.e., tracking requirements)
  – Operable in a Federal Desktop Core Configuration (FDCC) environment
# NIST 800-16 Template

<table>
<thead>
<tr>
<th>Training Areas</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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</thead>
<tbody>
<tr>
<td>1 Laws &amp; Regulations</td>
<td>1A</td>
<td>1B</td>
<td>1C</td>
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<td>2 Security Program</td>
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<td>2.1 Planning</td>
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<td>2.2 Management</td>
<td>2.2A</td>
<td>2.2B</td>
<td>2.2C</td>
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<td>3 System Life Cycle Security</td>
<td>3.1A</td>
<td>3.1B</td>
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<td>3.2 Development</td>
<td>3.2A</td>
<td>3.2B</td>
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<td>3.3 Test &amp; Evaluation</td>
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<td>3.3A</td>
<td>3.3B</td>
<td>3.3C</td>
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<td>3.4B</td>
<td>3.4C</td>
<td>3.4D</td>
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<td>3.5 Operations</td>
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<td>3.5B</td>
<td>3.5C</td>
<td>3.5D</td>
<td>3.5E</td>
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<td>3.6 Termination</td>
<td>3.6A</td>
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<td>3.6D</td>
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<td>4 Other</td>
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</table>
NASA T2T Role-Based Offerings

• Roles with NASA Specific Information Removed
  – System Administrators
  – Chief Information Officers

• Roles with NASA-specific content
  – Certification Agents & Authorizing Officials (CA&AO)
  – Chief Information Officers
  – Chief Information Officers – Intermediate
  – Organizational Computer Security Officials
  – System Administrators – Beginning
  – System Administrators – Intermediate
  – System Owners
Other Courses Included

• IT System Security Plan Development
• Risk Management
• Basic ISSA
  – Information System Security Authorization
  – Was Certification & Accreditation
Process to get Materials

• E-Mail ITSATC@lists.nasa.gov
• Include
  – Name
  – Agency
  – Mailing address
  – Email address
  – Number of copies requested
Rules for Use

• Provide Credit to NASA
• Materials may be modified with Agency specifics to meet specific needs
• Provide feedback to NASA ITSATC via the “Evaluation of NASA Provided Training” form that is included on the CD
• The NASA ITSATC does not have the resources to reprogram the courses, but will assist as resources allow
• Follow instructions in CD Read Me file to open the courses
• Email the ITSATC (ITSATC@lists.nasa.gov) if you have any questions
Who have we shared the materials with?

- Department of Education
- Department of Interior
- Census Bureau
- OSHA
- DHS
- EPA
- Department of Labor
- OPM
- State Department
- NIST
- DoD
- NDIC
- Global Learning Systems
- FBI
- HUD
- ATF
- NIH
- NRC
- Department of Commerce
- GAO
- HHS
- Library of Congress
- FDIC
- IRS
- Canadian Government
- DOJ
Distribution Method

• Mail on CD
  – CD includes all course materials and an evaluation form
  – Provided at no charge
  – NASA answers questions on the content, but is not responsible for modifying the content or programming to make it operational in a Federal LMS

• Reasons for not using web
  – Desire to know and document distribution
  – Resources
Next Steps

• **Courses**
  – Currently under development
    • Working to update and populate the matrix in NIST 800-16
      – Using Draft Version 2 where possible
        – Beginning Level
    • From this, any role’s course can be quickly compiled
    • Social Networking
  – Under consideration
    • Making materials available module-by-module so that they can more easily be adapted
    • NIST 800-16
      – Intermediate Level

• **Follow up with Distribution**
  – Revise courses based on feedback
Contact Information

- **NASA IT Security Awareness & Training Center (ITSATC)**
  - ITSATC@lists.nasa.gov

- **Richard Kurak**
  - Program Manager, NASA ITSATC
  - 216-433-8256
  - Richard.S.Kurak@nasa.gov