



NASA ISSLOB T2T IT Security Role-Based Training

FISSEA Workshop
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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

Template		A	B	C	D	E	F	G
Training Areas		Manage	Acquire	Design & Develop	Implement & Operate	Review & Evaluate	Use	Other
1	Laws & Regulations	1A	1B	1C	1D	1E	1F	
2	Security Program							
2.1	Planning	2.1A	2.1B	2.1C	2.1D	2.1E		
2.2	Management	2.2A	2.2B	2.2C	2.2D	2.2E		
3	System Life Cycle Security							
3.1	Initiation	3.1A	3.1B	3.1C		3.1E	3.1F	
3.2	Development	3.2A	3.2B	3.2C	3.2D	3.2E	3.2F	
3.3	Test & Evaluation			3.3C	3.3D	3.3E	3.3F	
3.4	Implementation	3.4A	3.4B	3.4C	3.4D	3.4E	3.4F	
3.5	Operations	3.5A	3.5B	3.5C	3.5D	3.5E	3.5F	
3.6	Termination	3.6A			3.6D	3.6E		
4	Other							



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



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
 - Reviewing decision



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

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