

FISSEA Security Awareness, Training, & Education Contest

Entry Form

Please review rules before completing entry form including the due date. No late entries will be accepted. E-mail entries to fissea-contest@nist.gov.

Name of submitter: Ruth Petersen for the NASA IT Security Awareness and Training Center Team (ITSATC)

Organization: NASA ITSATC

Type of Entry: Role-Based Training & Education

Title of Entry: Lesson 2 Managing Laws and Regulations, Information Security for

Chief Information Officers - Intermediate

Description of Entry:

The NASA IT Security Awareness and Training Center (ITSATC) is currently developing role-based training in accordance with the National Institute of Standards and Technology (NIST) Special Publication 800-16, *Information Technology Security Training Requirements: A Role- and Performance-Based Model.* The NIST SP 800-16 recommends 46 modular components for building role-based training, with specifics for each role. The goal of the NASA ITSATC is to develop a role-based training course for every Agency role with significant security responsibility at a beginning, intermediate, and advanced level (as per the NIST SP 800-16). The ITSATC has completed 39 beginning and 23 intermediate modules. We currently offer the following courses at the beginning level:

- Certification Agents & Authorizing Officials (CA&AO)
- Chief Information Officers
- Organizational Computer Security Officials (or ISSOs)
- System Administrators
- System Owners (under revision as Information System Owners/Information Owners)

And we offer two courses at the intermediate level:

- Chief Information Officers
- System Administrators

Our training incorporates information from the other NIST SP publications that support FISMA, as well as other laws and NASA-specific information. Our courses are 508 and Shared Content Object Reference Model (SCORM) compliant, Learning Management System (LMS) compatible (i.e., tracking requirements), and operable in a Federal Desktop Core Configuration (FDCC) environment. As ISS LOB T2T providers, we have shared these role-based courses with 15-20 government agencies via CD at no charge. We routinely revise the courses based on feedback and updates in Federal and NASA guidelines/publications.

Chief Information Officers (CIOs) are the heart of NASA's Information Security Program. The intermediate course was created to help CIOs and their staff better protect the information, information systems, and security programs they are responsible for. The course is available on SATERN (System for Administration, Training, and Educational Resources for NASA) to all NASA employees.

According to the NIST SP 800-16, managers should be able to understand applicable governing documents and their interrelationships and interpret and apply them to their area(s) of responsibility. Lesson 2, Managing Laws and Regulations, discusses the development of policies that reflect the legislative intent of applicable laws and regulations, including Federal Government-wide and NASA-published documents (laws, regulations, policies, guidelines, standards, and codes of conduct) governing mandated requirements and standards for the management and protection of Information Technology (IT) resources.

The objectives of Lesson 2 are to educate CIOs to better:

- Analyze the impact of information security laws and regulations applicable to their areas of responsibility.
- Determine how applicable laws and regulations affect their areas of responsibility and interact with organizational goals and existing policy.
- Apply mandated requirements and standards in the form of appropriate policies to their areas of responsibility.

Lesson 2 introduces the fundamental concepts needed to understand the subject and gives examples and practical exercises to reinforce, apply, and extend the learning. From each screen, learners can access a glossary, a list of acronyms, course URLs, a link for help with questions, the course map, and a text-only version. Screens can be printed. And if learners are interrupted and unable to complete a lesson at one sitting, they can set a bookmark and return to that screen at a later time. The conclusion provides a summary of the most important topics introduced in the lesson.

FISSEA Contest 2010

Name:	Ruth Petersen for the NASA IT Security Awareness and Training Center Team (ITSATC)
Organization:	NASA ITSATC
Type of Entry:	Role-Based Training & Education
Title of Entry:	Lesson 2 - Managing Laws and Regulations, Information Security for Chief Information Officers – Intermediate

Description of Entry

Chief Information Officers (CIOs) are the heart of NASA's Information Security Program. The intermediate course was created to help CIOs and their staff better protect the information, information systems, and security programs they are responsible for. The course is available on **SATERN** (System for Administration, Training, and Educational Resources for NASA) to all NASA employees.

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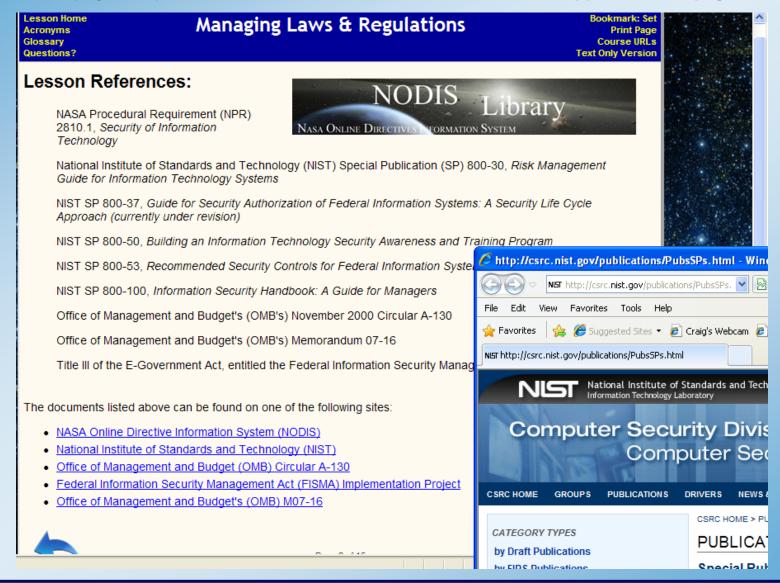
The objectives of Lesson 2 are to educate CIOs to better:

- ❖ Analyze the impact of information security laws and regulations applicable to their areas of responsibility.
- Determine how applicable laws and regulations interact with organizational goals and existing policy.
- ❖ Apply mandated requirements and standards in the form of appropriate policies to their areas of responsibility.

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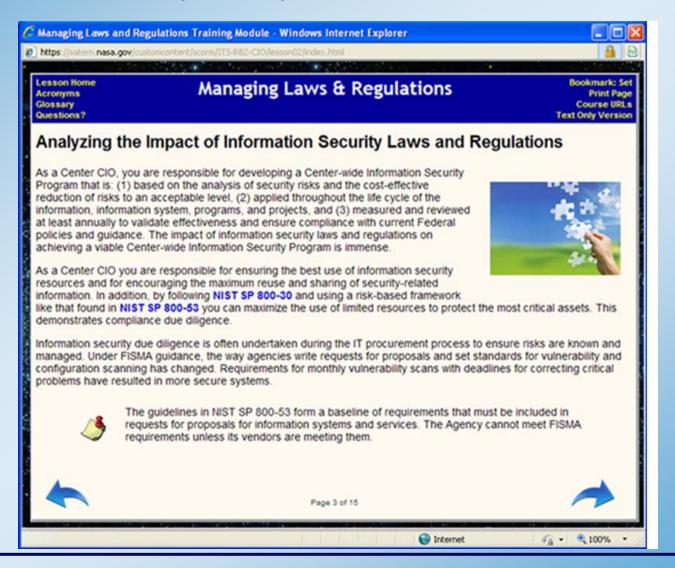
Screen 2 of 15 – Lesson References

Each lesson contains a list of Federal and NASA documents used as references. <u>Links within the course</u> open in a new page and provide a definition, additional information, or an applicable web page.



Screen 3 of 15- Analyzing the Impact of Information Security Laws and Regulations

Notes provide helpful additional information.



Screen 4 of 15 – Exercise for Application

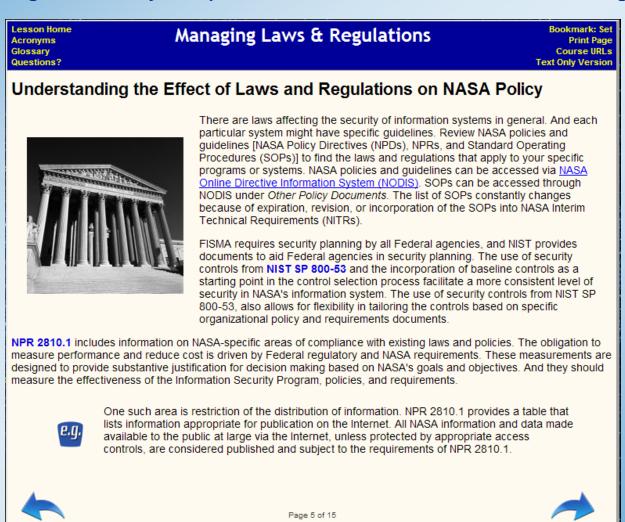
Practical exercises reinforce, apply, and extend the learning and provide immediate, positive feedback.

Lesson Home Acronyms Glossary Questions?	Managing Laws & Regulations Bookmar Print Course Text Only Ve	t Page URLs
	Exercise for Application:	
	Information security laws and regulations mandate that information security be partie the entire System Development Life Cycle (SDLC) and not just an afterthought to building a system. How can this impact NASA's Information Security Program?	rt of
	A Eliminates the need to establish and maintain a unifying vision and strategic direction.	
	B Eliminates the need for developing additional security controls to supplement the controls already in place.	
	Reduces the risk that any changes made to a system result in a compromise to system or data confidentiality, integrity, or availability.	m
	Eliminates the need for modifying selected controls that are deemed to be less than effective.	
	That's Right!	
	C is the correct answer.	
*	Page 4 of 15	

Screen 5 of 15 - Understanding the Effect of Laws and Regulations on NASA Policy



Examples given to clarify or explain information further are listed with the "e.g." icon.

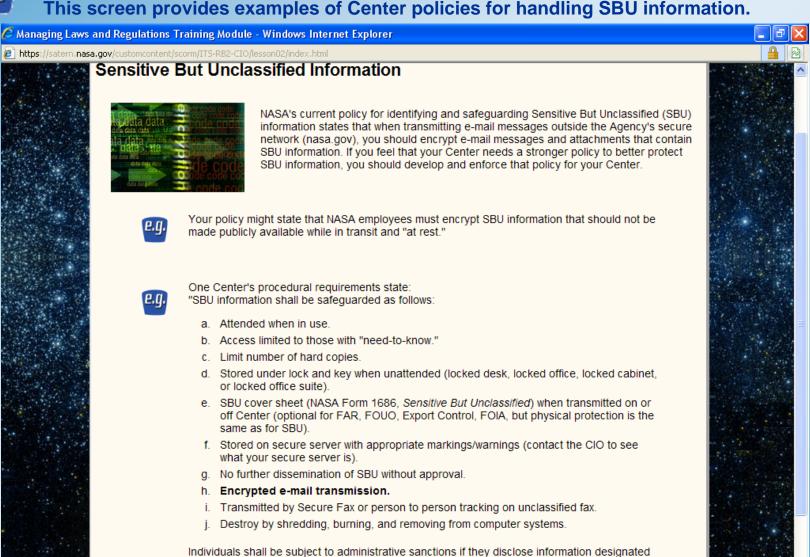


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Screen 8 of 15 - Sensitive But Unclassified Information

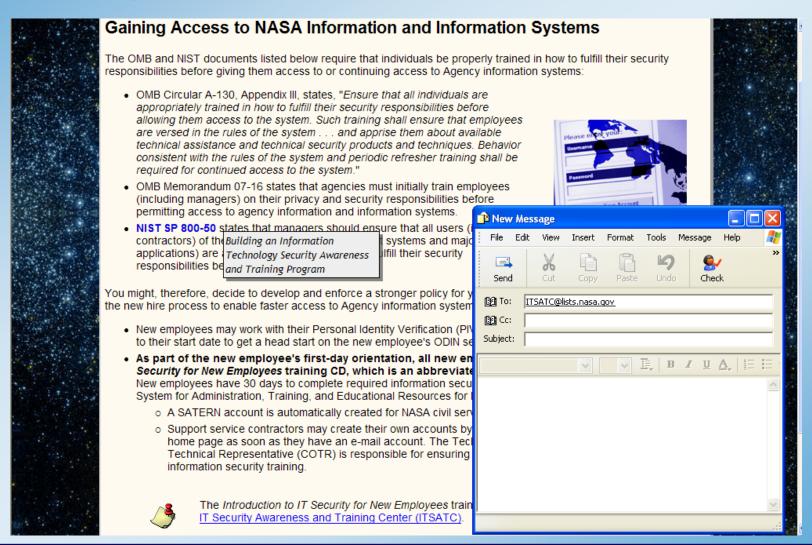
This screen provides examples of Center policies for handling SBU information.



SBU or violate NASA SBU policy. Sanctions include, but are not limited to, a warning notice, admonition, reprimand, suspension without pay, forfeiture of pay, removal, or discharge."

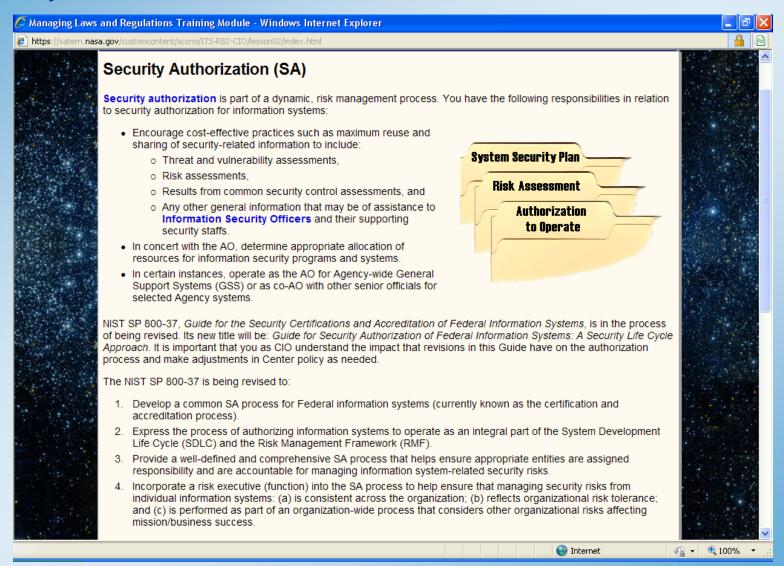
Screen 9 of 15 - Gaining Access to NASA Information and Information Systems

<u>Links within the course</u> open in a new page and provide a definition, additional information, or an applicable web page. Items shown in a **bolded blue color** provide additional rollover information.



Screen 13 of 15 - Security Authorization (SA)

Security authorization information is based on the latest revision of the NIST SP 800-53.



Sample Exam Question

After obtaining exam results, learners are able to review the questions to learn which questions they missed and the correct answers to those questions.

