

Security Transcends Technology



The ISSEP Certification Credential

CISSP **ENGINEERING**
CONCENTRATION

Information Systems Security Engineering Professional

- **CISSP – ISSEP: A joint project between the US Federal Government and (ISC)²®**
- **ISSEP candidates must be an existing CISSP**
- **ISSEP candidates must pass a 150 question examination**



What are the Responsibilities of an ISSEP?

- An ISSEP provides focus on securing the IT infrastructure by defining, implementing, and communicating IT security policies, standards, guidelines, and procedures

Continued...

What are the Responsibilities of an ISSEP?

- An ISSEP is also responsible for understanding vulnerabilities and weaknesses
- An ISSEP must be capable of defining a comprehensive IT security policy and overall strategy to mitigate identified vulnerabilities

Continued...

What are the Responsibilities of an ISSEP?

- An ISSEP is ultimately accountable for assuring that IT projects are delivered on time, effectively, and meet the security goals of the country, the people, and the agency

The Four Domains of the ISSEP

- **Systems Security Engineering**
- Technical Management
- Certification and Accreditation
- Information Assurance Regulations

Systems Security Engineering - Key Learning Areas

- Introduction to the Information Systems Security Engineering Process
 - Identify the tasks and activities of the ISSE process
 - Correlate the ISSE process with DITSCAP and other C&A processes
- continued....

SSE - Key Learning Areas continued...

- Describe the concepts and principles of Defense in Depth
- Describe Risk Assessment methodology

Introduction to ISSE

ISSE is the art and science of discovering users' information protection needs and the designing and making information systems, with economy and elegance, so they can safely resist the forces to which they may be subjected

IATF 3.1

Certification and Accreditation

Main Topic Areas

- What is C&A
- Which C&A process should be used
- Who is responsible for a C&A effort
- Describe the C&A process
- Completing the Documentation

Information Assurance Regulations

- Introduction to IA Regulations
- DoD IA Regulations
- Civil Agency Regulations
- National IA Regulations
- Applying the Regs

Summary

- An ISSEP must be ready to answer questions and address scenarios based on:
 - Systems Security Engineering
 - Processes
 - Success Criteria
 - Acronyms

Summary

- Technical Management
 - Technical Roles And Responsibilities
 - Project Management
 - Technical Documentation

Summary

- Certification and Accreditation
 - DITSCAP
 - NIACAP
 - Acronyms
 - Forms and Documentation
 - Steps and Procedures to Assurance

Summary

- Information Assurance
 - Regulatory and Oversight Bodies
 - Federal Regulations
 - Levels of Robustness