HB 3834

What it means to you.

Bob Janusaitis, SAFE-D Board

Daniel Scruggs, JDEC Solutions, LLC

- Pilot Program: HB3834 Cybersecurity Awareness Training Preview and Information 3:30 pm–4:30 pm, Moody E Bob Janusaitis, Harris County ESD #9 Previewing a preliminary cybersecurity awareness training course designed to meet the compliance requirements for ESD Commissioners and Employees, as required by recent Texas House Bill 3834, including discussion regarding cybersecurity trends and risks in local government and ESDs. Compliance required by June 14, 2020.

INTRODUCTION

- Bob Janusaitis

  Bob's holds 30 plus years in information technology operations, IT audit, emergency response, and critical infrastructure protection. Bob has a Master's degree in Public Administration with a concentration in Homeland Security from Texas A&M University, he also holds numerous certifications in cyber related domains and business continuity including the CISA,CISM,CRISC, and CBCP. Bob has served as a commissioner with Harris County Emergency Services District No. 9 and on the Board of Directors of SAFE-D for numerous years.

- Daniel Scruggs

  Daniel has represented a variety of Texas Special Districts and Governmental Entities, including several Municipal Utility Districts as legal counsel with Roach & Mitchell, PLLC. During his time representing those clients, Daniel provided counsel on many issues including the issuance of public securities, contract drafting and disputes, administration of public meetings, and regulatory compliance. Since joining JDEC Solutions, Daniel focuses much of his time on providing cybersecurity consulting to entities involved in the bulk power system in relation to critical infrastructure protection.

- In 2019, the Texas Legislature passed House Bill 3834 mandating annual cybersecurity training for certain government employees and elected officials of local governments.
- In addition, the governing body of a local government must now verify and report on the completion of the cybersecurity training by employees of the local government to the Texas Department of Information Resources (the "Texas DIR") and require periodic audits to ensure compliance.
- The Texas DIR has been charged with certifying training programs and maintaining a list of those certified training programs.

OVERVIEW OF HB3834

WHY THE INCREASED NEED FOR CYBERSECURITY AWARENESS

- August 16, 2019 more than 20 Texas entities, mostly smaller local governments, were attacked in a ransomware attack

- Texas Department of Information Resources has seen a spike in attempted cyberattacks on state agency networks (example - 10,000 per minute from Iran during parts of January)

WHO MUST TAKE THE TRAINING?

Local government employees who have access to a local government computer system

Elected Officials of the Local Government

- *Currently, *appointed* officials *are not* included in the scope of the requirement. However, ensuring that everyone has appropriate awareness of cybersecurity best practices can be beneficial to any organization.
  - February 10, 2020 the Texas Attorney General received a request for an opinion regarding whether an *appointed* local government official should be within scope of the requirement

WHEN MUST TRAINING BE COMPLETED AND HOW IS COMPLIANCE ENSURED?

Initial training must be completed by **June 14, 2020**

Annual training must be completed by June 14

Local government employees will self-report their training compliance using Texas by Texas (an application being developed for use by Texas DIR – launch date sometime in February 2020).

Local governments, such as ESDs, should include as part of their audits that compliance has occurred

MORE INFORMATION

- For more information on HB3834 please see the Texas DIR Security Awareness Training Certification (HB3834) webpage (https://dir.texas.gov/View-About-DIR/Information-Security/Pages/Content.aspx?id=154)

CURRENT OPTIONS FOR COMPLIANCE

- Texas DIR list – 28 pages
- Challenge of locating a course that covers all the requirements without excessive number of hours
- Availability

PROPOSED SOLUTION

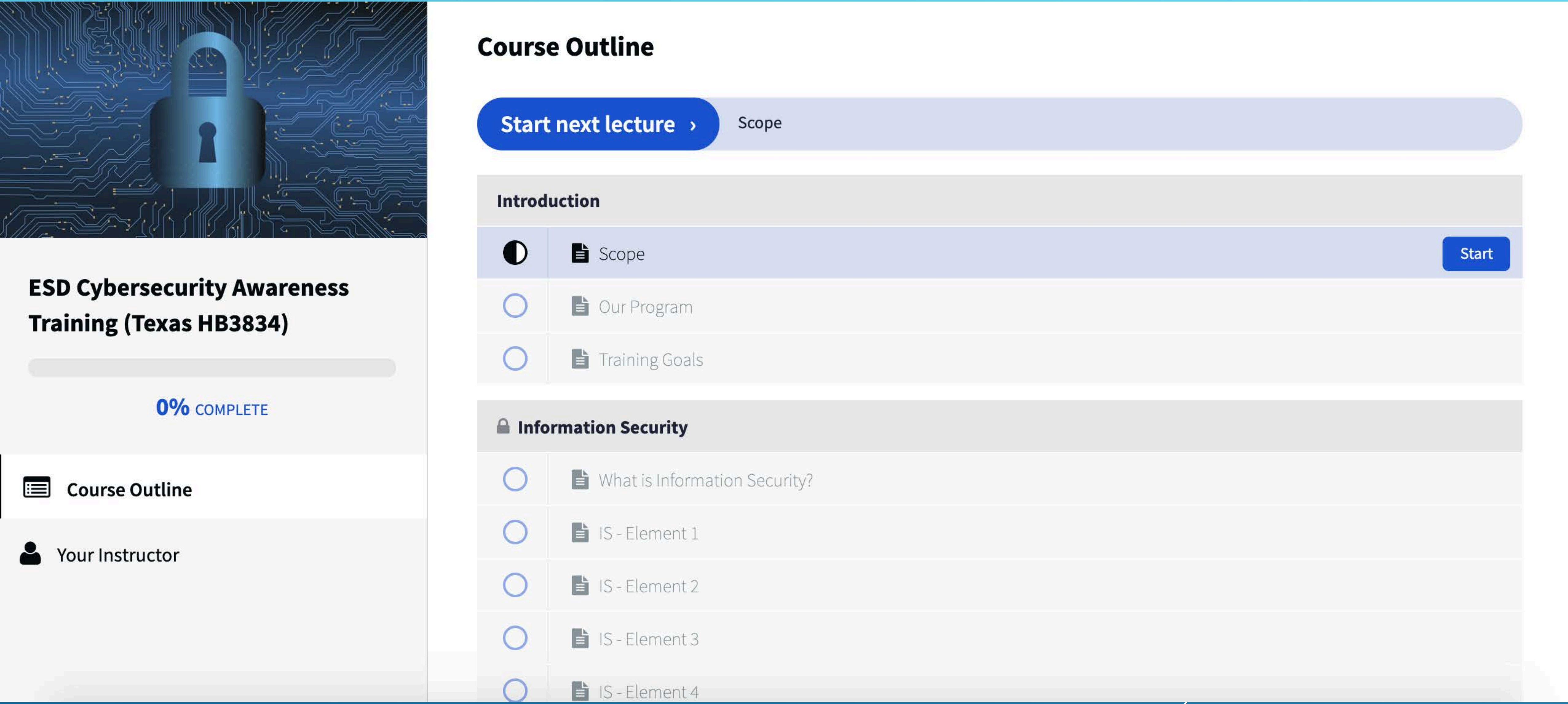
- Meets the requirements without overinforming
  - Time-Efficient
- Focus on ESD's not generic like other training programs –Critical Infrastucture
- Easy to sign up and use
  - All coursework and signup is done online
  - Anyone can log in to sign up (you don't need to contact us to set up a meeting/pricing/etc.)

COURSE CONTENT

- Course is broken down into 3 overarching topics
  - Review of Information Security and the Role Information Security Plays in Cybersecurity
  - How to Safeguard Information
  - Security Threats and How to Respond

- Short Quizzes will Be Presented at the End of Each Topic

PREVIEW OF PROGRAM



ESD Cybersecurity Awareness Training (Texas HB3834)

0% COMPLETE

- Course Outline
- Your Instructor

Course Outline

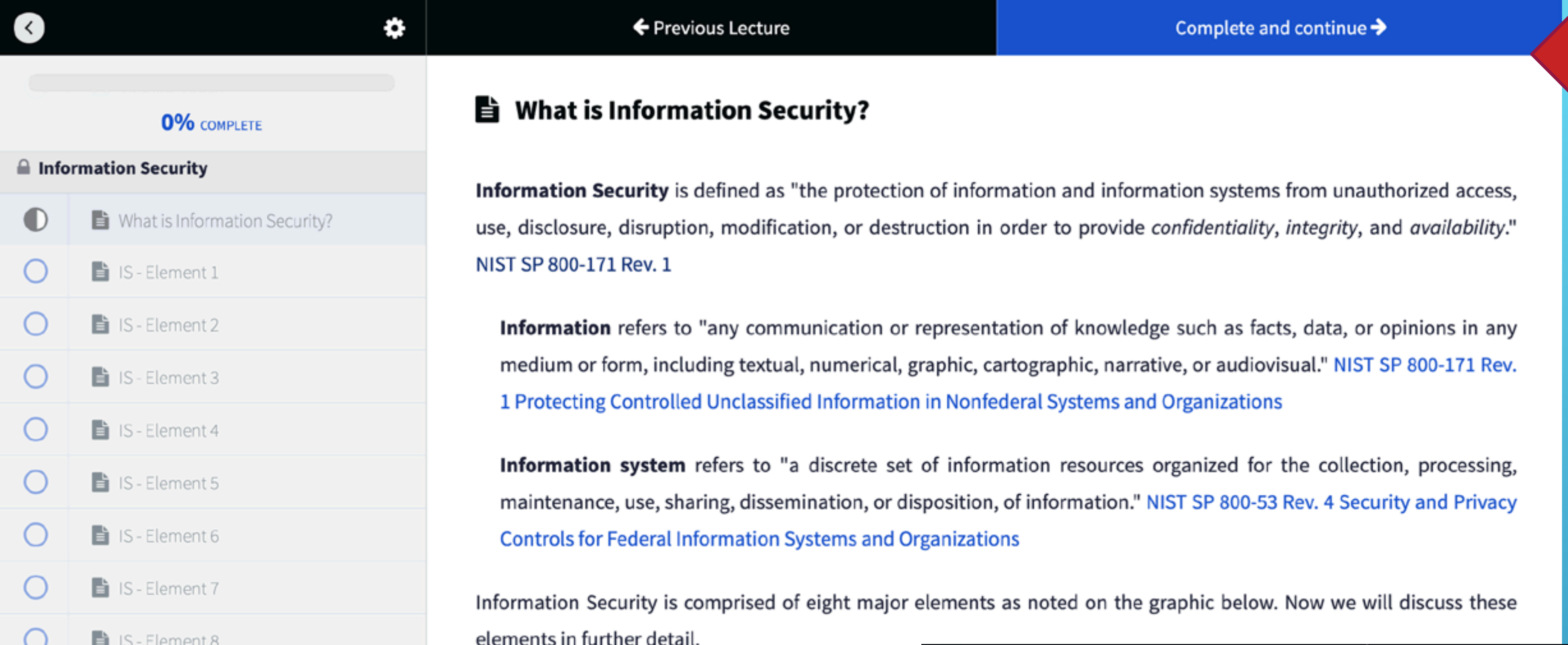
Start next lecture › Scope

Introduction

- ◐ Scope Start
- ○ Our Program
- ○ Training Goals

Information Security

- ○ What is Information Security?
- ○ IS - Element 1
- ○ IS - Element 2
- ○ IS - Element 3
- ○ IS - Element 4



Information Security

- ◐ What is Information Security?
- ○ IS - Element 1
- ○ IS - Element 2
- ○ IS - Element 3
- ○ IS - Element 4
- ○ IS - Element 5
- ○ IS - Element 6
- ○ IS - Element 7
- ○ IS - Element 8
- ○ Types of Information

https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-171r1.pdf

What is Information Security?

Information Security is defined as "the protection of information and information systems from unauthorized access, use, disclosure, disruption, modification, or destruction in order to provide *confidentiality*, *integrity*, and *availability*." NIST SP 800-171 Rev. 1

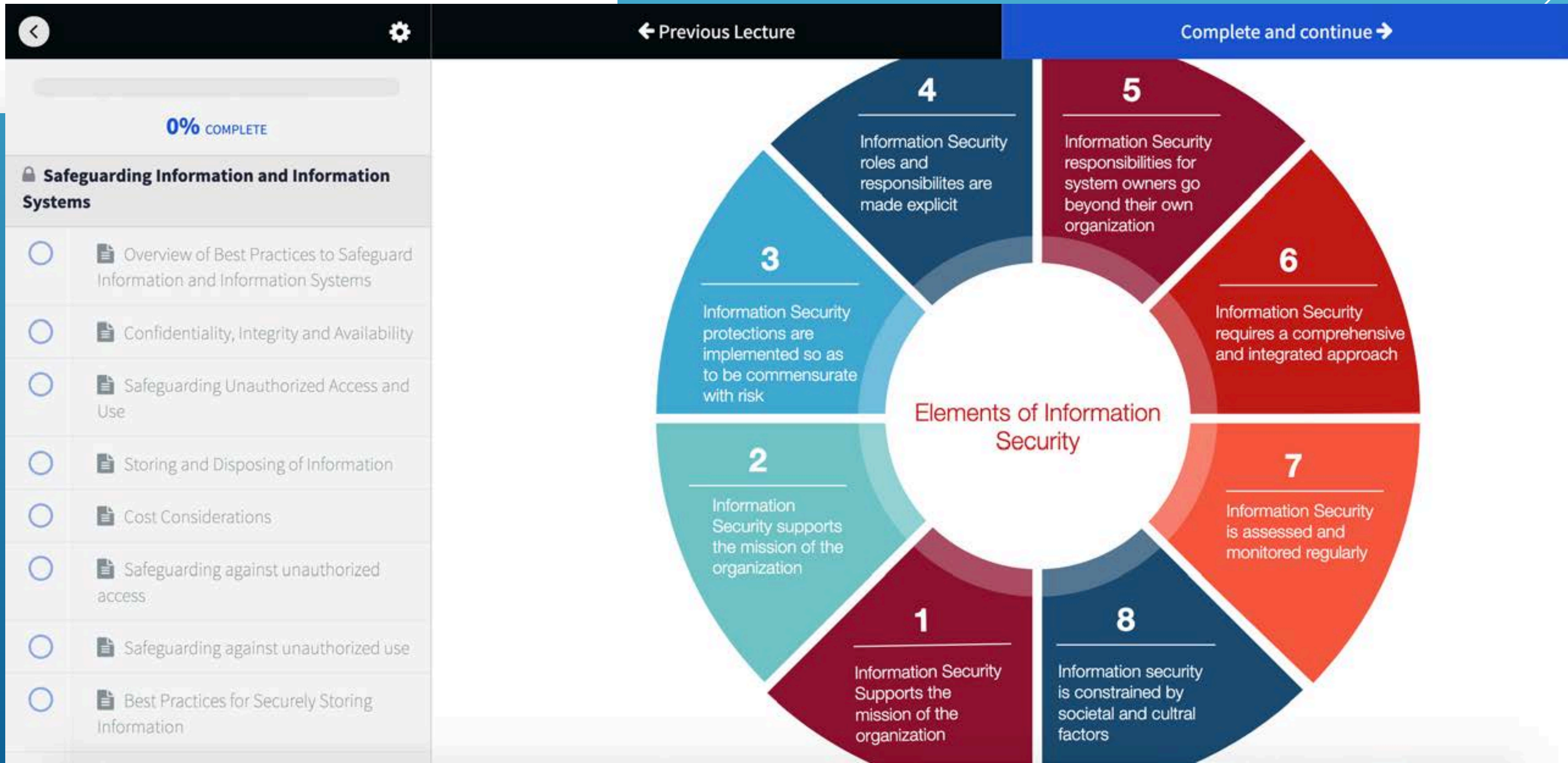
Information refers to "any communication or representation of knowledge such as facts, data, or opinions in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual." NIST SP 800-171 Rev. 1 Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations

Information system refers to "a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition, of information." NIST SP 800-53 Rev. 4 Security and Privacy Controls for Federal Information Systems and Organizations

Information Security is comprised of eight major elements as noted on the graphic below. Now we will discuss these elements in further detail.

Click "Complete and Continue" to navigate through the content.

CONCISE CONTENT WITH SHORT QUIZZES TO ENSURE UNDERSTANDING



Safeguarding Information and Information Systems

- ○ Overview of Best Practices to Safeguard Information and Information Systems
- ○ Confidentiality, Integrity and Availability
- ○ Safeguarding Unauthorized Access and Use
- ○ Storing and Disposing of Information
- ○ Cost Considerations
- ○ Safeguarding against unauthorized access
- ○ Safeguarding against unauthorized use
- ○ Best Practices for Securely Storing Information

Elements of Information Security

1 Information Security Supports the mission of the organization

2 Information Security supports the mission of the organization

3 Information Security protections are implemented so as to be commensurate with risk

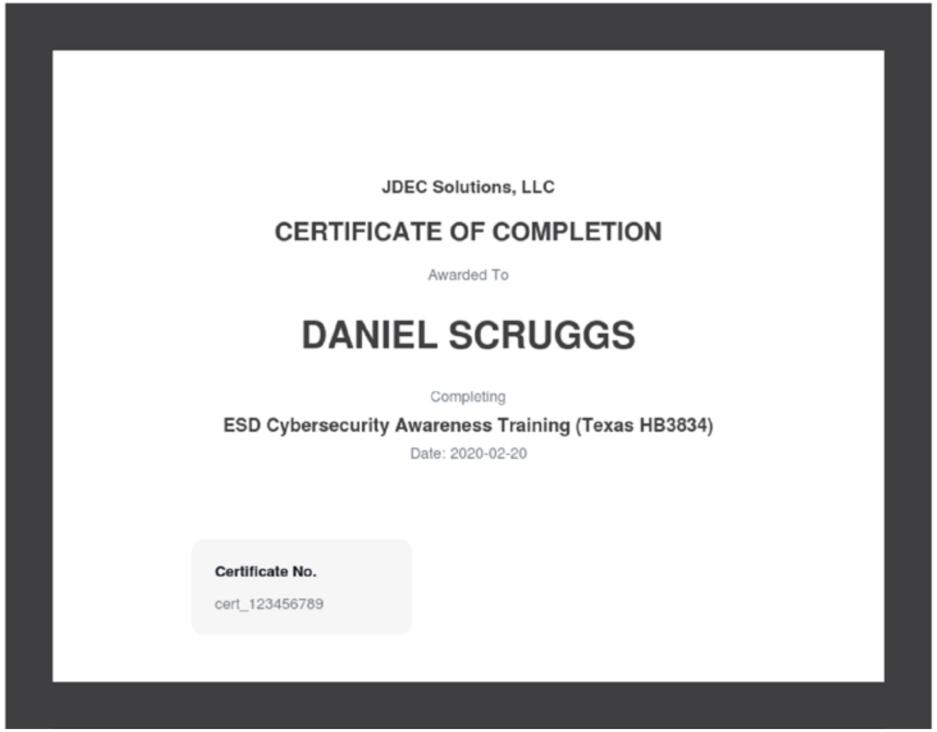
4 Information Security roles and responsibilites are made explicit

5 Information Security responsibilities for system owners go beyond their own organization

6 Information Security requires a comprehensive and integrated approach

7 Information Security is assessed and monitored regularly

8 Information security is constrained by societal and cultral factors



JDEC Solutions, LLC

CERTIFICATE OF COMPLETION

Awarded To

DANIEL SCRUGGS

Completing

ESD Cybersecurity Awareness Training (Texas HB3834)

Date: 2020-02-20

Certificate No.

cert_123456789

CERTIFICATES OF COMPLETION WILL BE GIVEN AT THE END OF THE COURSE

EACH WITH A UNIQUE CERTIFICATE NO. AND DATE TO ENSURE EMPLOYEE/OFFICIAL COMPLETION

NEXT STEPS

Sign up for notification of when the course is live and any other pertinent information at **training.jdecsolutions.com**

Expect to Receive Approval by March 31st from Texas DIR

Training Program planned to go live on April 1st

ANY QUESTIONS?

CONTACT INFORMATION

For any questions or comments:

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