

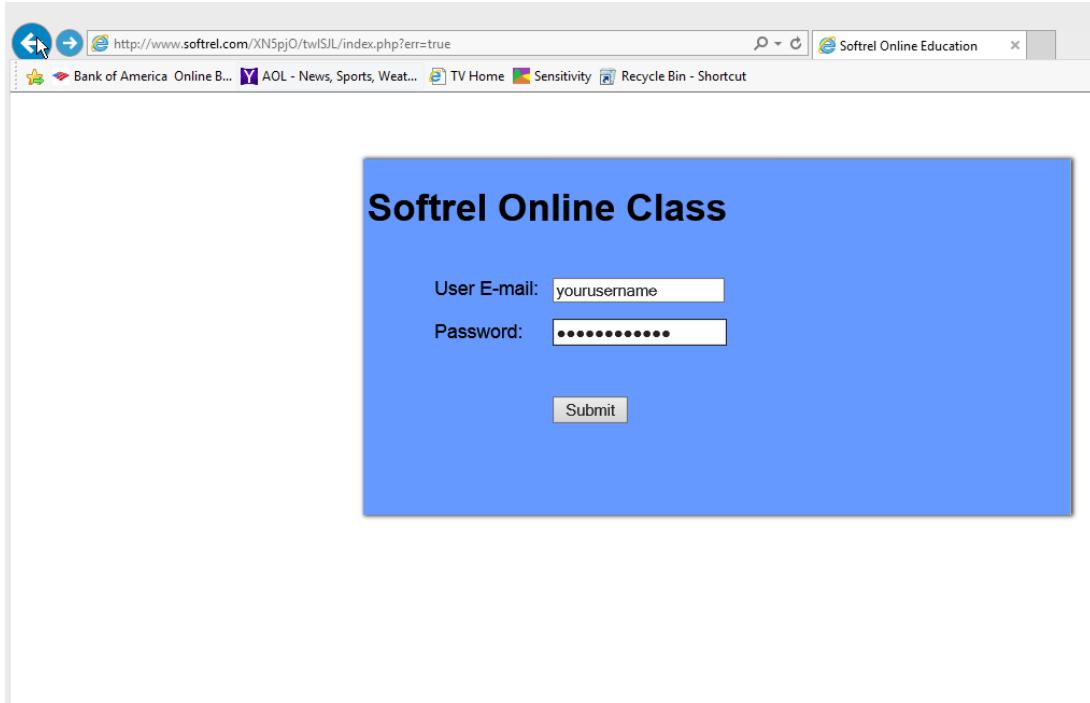
How to Specify Software Reliability on DoD Contracts

Class prerequisites

1. Each student must have Department of Defense Instructions Number 5000.02 January 7, 2015, Incorporating Change 3, August 10, 2017. It is highly recommended that each student have a copy of IEEE 1633 Recommended Practices for Software Reliability, 2016. Note that the 2008 version of this document is not sufficient. https://www.techstreet.com/ieee/standards/ieee-p1633?product_id=1914936
2. This training class has been tested on Internet Explorer and Google Chrome. Other browsers may or may not accommodate the training session. It is the student's responsibility to locate a computer that allows for access to the below website <http://www.softrel.com/XN5pjO/twISJL/>.
3. Each student must ensure that their computer audio is functioning properly prior to starting the class. Technical support for computer issues will not be provided.

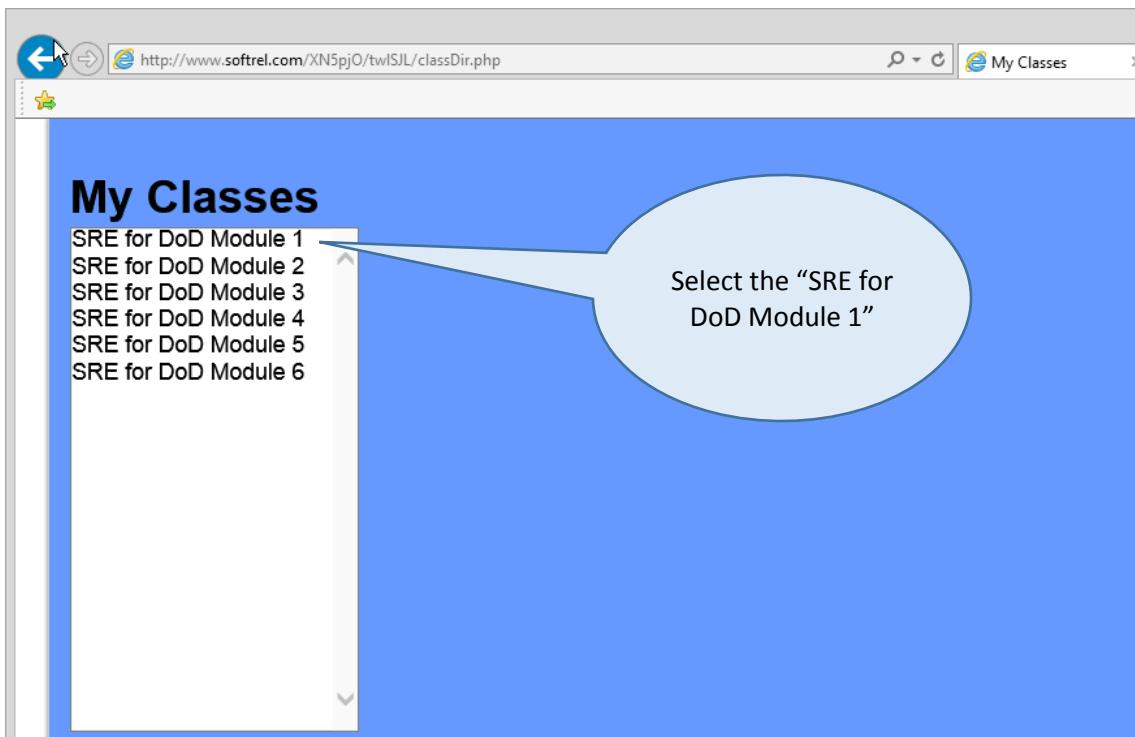
Instructions for using the Softrel, LLC Online Training System

1. Press this link to go to the online training site. <http://www.softrel.com/XN5pjO/twISJL/>
2. Enter the user email and password you were given at purchase time. Note that it can take 2-3 working days for your username and password to be set up after purchase.

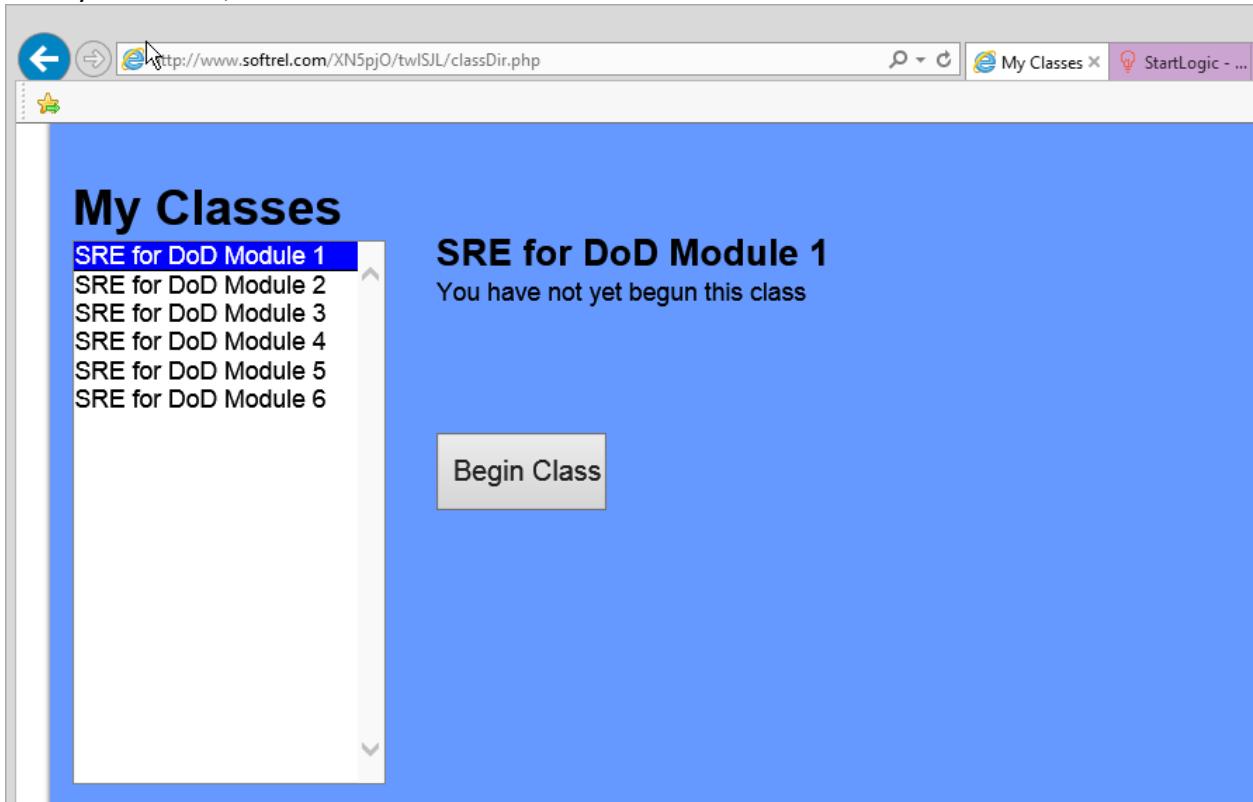


The screenshot shows a Microsoft Internet Explorer window. The address bar contains the URL <http://www.softrel.com/XN5pjO/twISJL/index.php?err=true>. The main content area is a blue box titled "Softrel Online Class". It contains two input fields: "User E-mail:" followed by a text box containing "yourusername" and "Password:" followed by a text box containing a series of dots representing a password. Below the password field is a "Submit" button.

3. Press the "Submit" button.



- With your cursor, select the class name “SRE for DoD Module 1” as shown above.

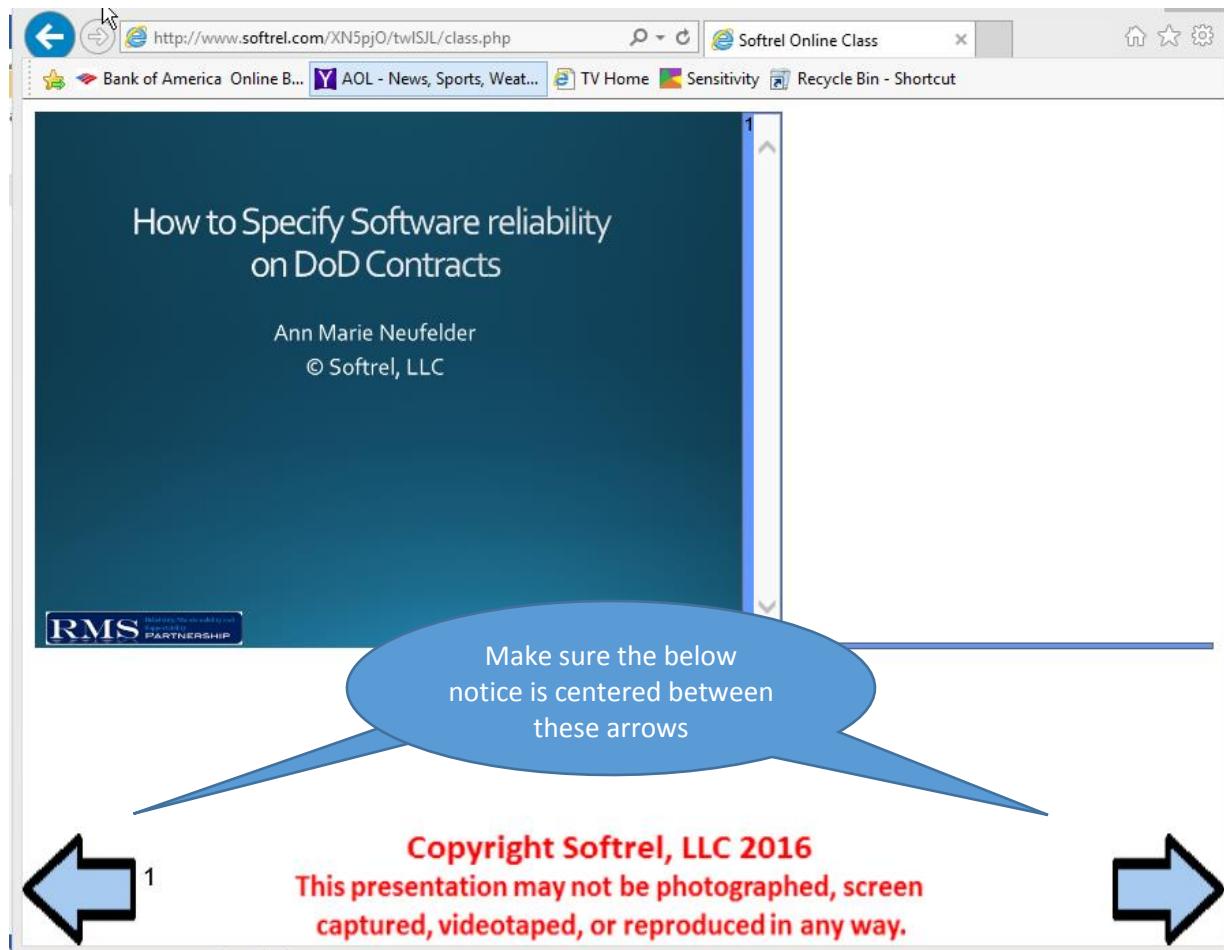


- Press the “Begin Class” button to start the class. You have 14 calendar days from the time you begin each module. The 14 days does not start until you choose to begin the class. Each

time you log onto the class repeat steps 1-5. When a module is completed, repeat steps 1-5 and select the next module on the list.

- Upon entering the training class, adjust the height and width of your browser so that the screen looks like the below page. The Copyright image should be centered between the left and right arrows as shown below.

Left arrow transitions to the previous page and right arrow transitions to the next page.



Important note: The left arrow will transition backwards up to 20 slides.

7. Most pages have audio. Make sure that your audio on your computer is turned on and is functional. You can start and stop the audio with the audio control at the bottom right side of the slide. The volume can also be adjusted. Notice that the right panel has the text for the audio for the hearing impaired.

Purpose

- Methods for predicting software reliability are well defined as per IEEE 1633 Recommended Practices for Software Reliability 2016 edition.
- This course addresses how to specify software reliability objectives and tailor software reliability activities for Government programs.
 - Ensuring that software is integrated into the reliability program planning
 - Ensuring software reliability is considered throughout the lifecycle
 - Ensuring that risks related to the software are identified early before the effect the entire program
 - Understanding the factors that can cause software reliability to be affected

The IEEE 1633 Recommended Practices for Software Reliability was updated in 2016. The 2016 edition was developed by and approved by 6 US Army personnel, 3 OSD personnel, 3 US Navy personnel, 1 USAF person, and 12 DoD contractor personnel. The document is designed for any organization and industry that is developing a "system" composed of both hardware and software. The target audience includes acquisitions personnel (both government and commercial), reliability engineers, software quality assurance and software management. The document provides the basic framework to identify, tailor and implement the engineering (SRE) tasks that are required in a contract depending on its scope. The class is to further tailor this document to the needs of the Armed Services to DoD 5010.1-M.

Start and stop the audio button.

Adjust the volume.

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8. When you are finished training for the day, simply close the browser. When you log back in the class using steps 1 through 5, select the module that you were working on and press the "resume class" button. The class will resume where you left off.

My Classes

SRE for DoD Module 1

- SRE for DoD Module 2
- SRE for DoD Module 3
- SRE for DoD Module 4
- SRE for DoD Module 5
- SRE for DoD Module 6

SRE for DoD Module 1

You have until 02-22-2018 11:41:08 AM to finish this class

Resume Class

If you are ready to start the next module and then select the next module and press the button to begin the class.

9. At the end of the class, download the toolkit that accompanies the class material. The toolkit is provided for free and hence no technical support is provided

<http://www.softrel.com/DoDi5000/DoDSREDownload.html>

Tips:

- a. Remember to take your time on each page as you are allowed to see only the last 20 slides at any time.
- b. If you need more than 2 calendar weeks for each module please contact
support@softrel.com