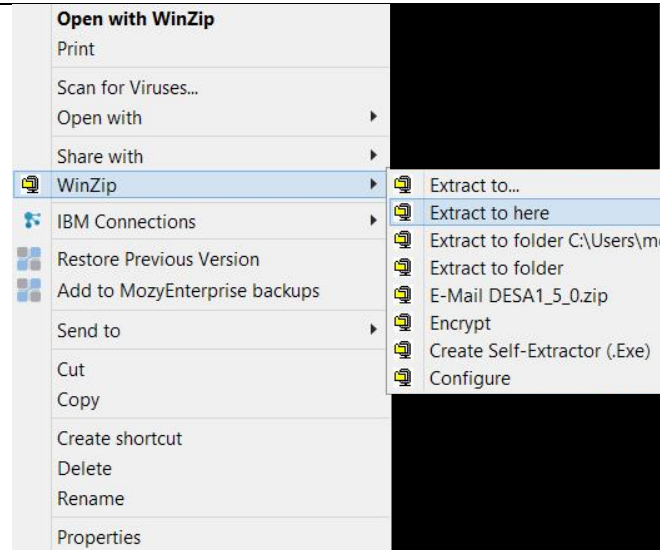DESA was created to help systematically diagnose complex issues arising in engine and aftertreatment systems. The application runs a dynamic self-test of key engine and aftertreatment systems, creates a log file, and provides an analysis of that log file in order guide diagnostic activities.

The following procedure provides instructions for installation of DESA from insite.cummins.com and the licensing process. *Note: if requesting DESA from software shelf, there will be no action required for installation other than the submission of the request.*

1. DESA will download as a zip file due to its size. Right click the DESA zip file and select "Extract to here".	
2. WinZip will extract the contents.	
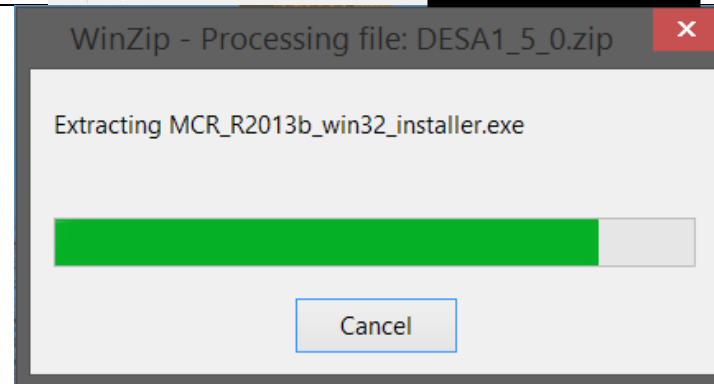
3. Open the extracted folder.	
4. Open "setup.exe".	
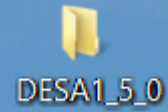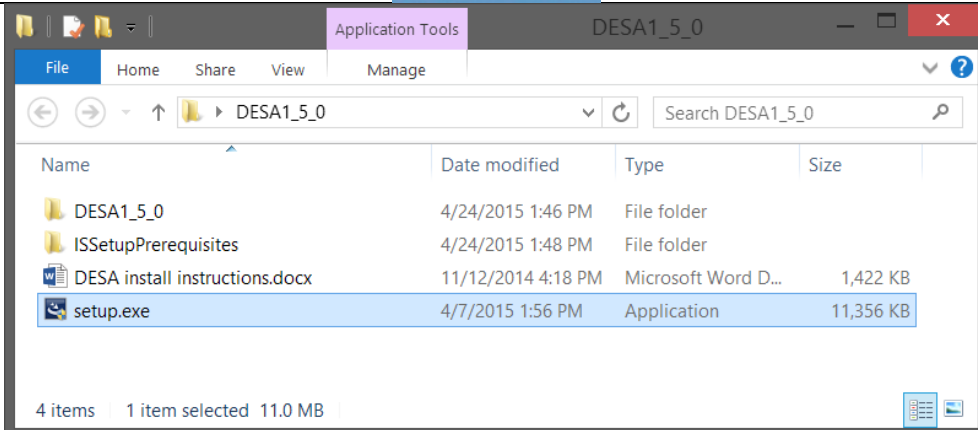
5. DESA requires administrator credentials to install. Enter them at this time.

NOTE: Steps 6-12 only apply if DESA has never been installed. If the installation is an upgrade from DESA 1.4, then steps 6-12 do not apply.

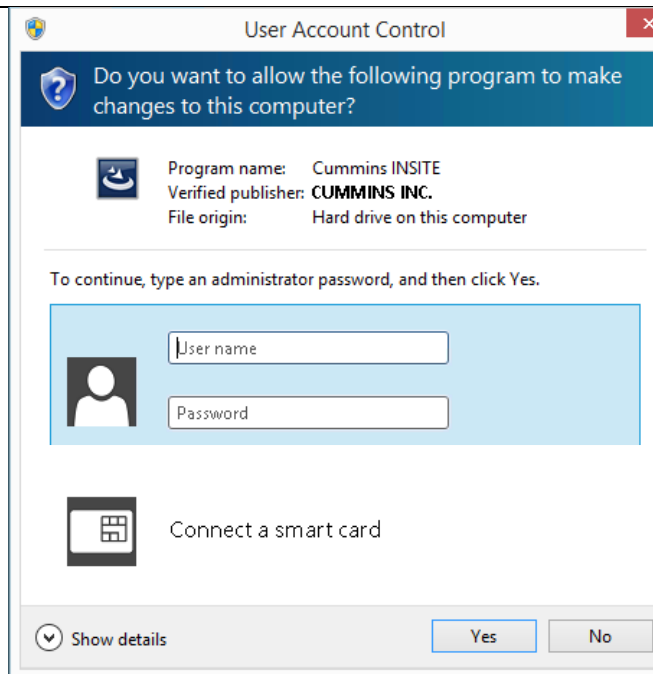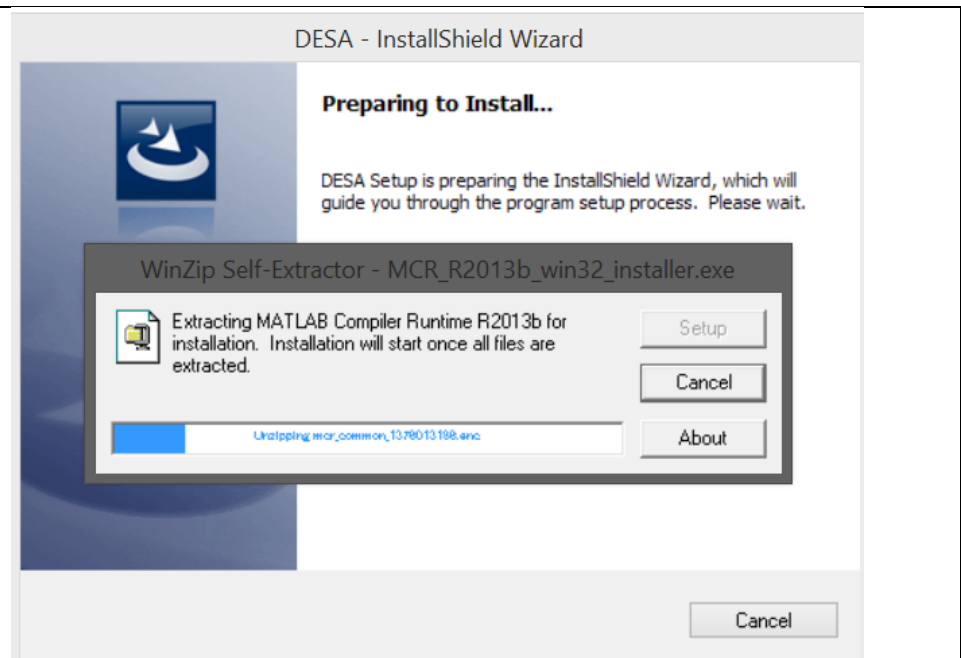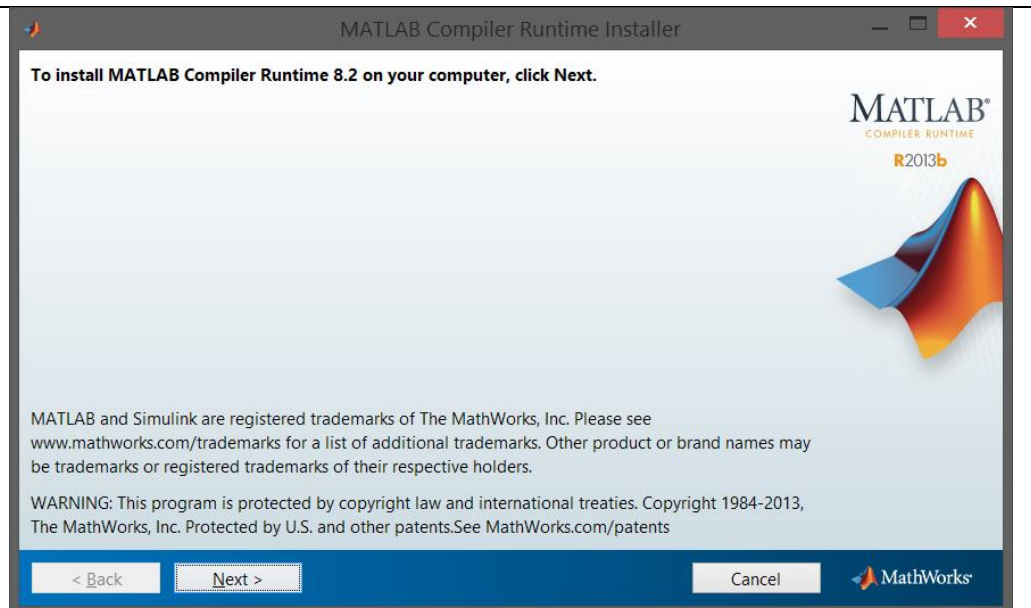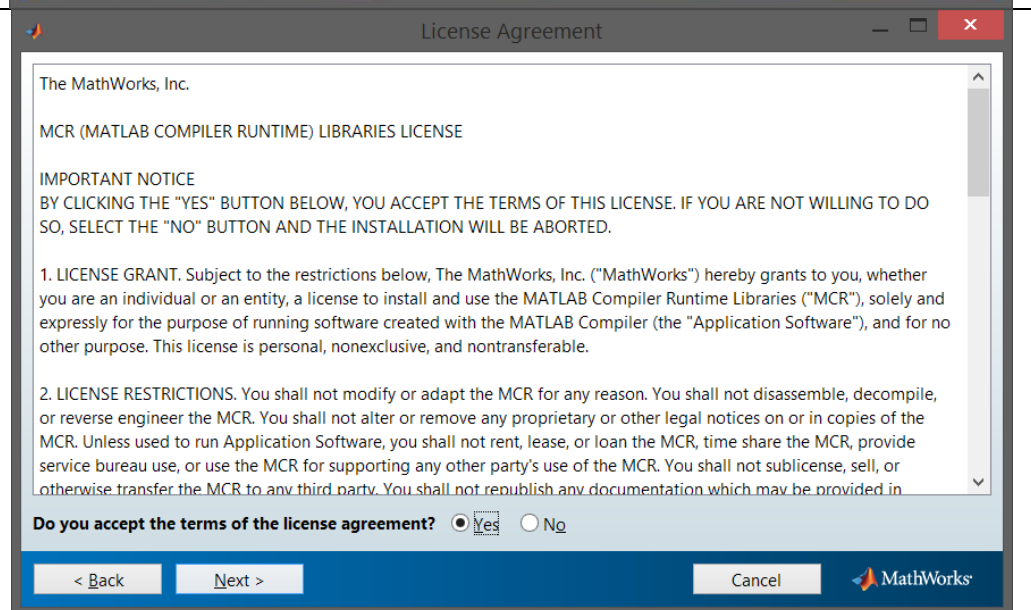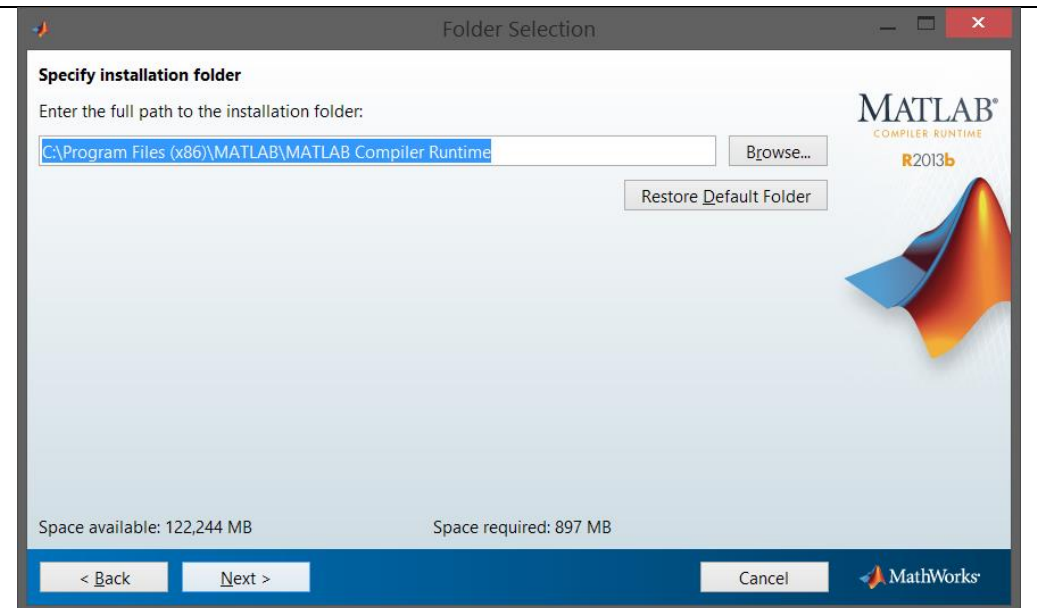|	
6. The installer will extract files for installation. No action is needed at this step.	

7. Click "Next" to proceed.	**MATLAB Compiler Runtime Installer** To install MATLAB Compiler Runtime 8.2 on your computer, click Next. MATLAB® COMPILER RUNTIME R2013b MATLAB and Simulink are registered trademarks of The MathWorks, Inc. Please see www.mathworks.com/trademarks for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders. WARNING: This program is protected by copyright law and international treaties. Copyright 1984-2013, The MathWorks, Inc. Protected by U.S. and other patents.See MathWorks.com/patents < Back Next > Cancel MathWorks
8. Read the License Agreement, click the radio "Yes" button, and then select "Next" to continue.	**License Agreement** The MathWorks, Inc. MCR (MATLAB COMPILER RUNTIME) LIBRARIES LICENSE IMPORTANT NOTICE BY CLICKING THE "YES" BUTTON BELOW, YOU ACCEPT THE TERMS OF THIS LICENSE. IF YOU ARE NOT WILLING TO DO SO, SELECT THE "NO" BUTTON AND THE INSTALLATION WILL BE ABORTED. 1. LICENSE GRANT. Subject to the restrictions below, The MathWorks, Inc. ("MathWorks") hereby grants to you, whether you are an individual or an entity, a license to install and use the MATLAB Compiler Runtime Libraries ("MCR"), solely and expressly for the purpose of running software created with the MATLAB Compiler (the "Application Software"), and for no other purpose. This license is personal, nonexclusive, and nontransferable. 2. LICENSE RESTRICTIONS. You shall not modify or adapt the MCR for any reason. You shall not disassemble, decompile, or reverse engineer the MCR. You shall not alter or remove any proprietary or other legal notices on or in copies of the MCR. Unless used to run Application Software, you shall not rent, lease, or loan the MCR, time share the MCR, provide service bureau use, or use the MCR for supporting any other party's use of the MCR. You shall not sublicense, sell, or otherwise transfer the MCR to any third party. You shall not republish any documentation which may be provided in **Do you accept the terms of the license agreement?** ⦿ Yes ○ No < Back Next > Cancel MathWorks

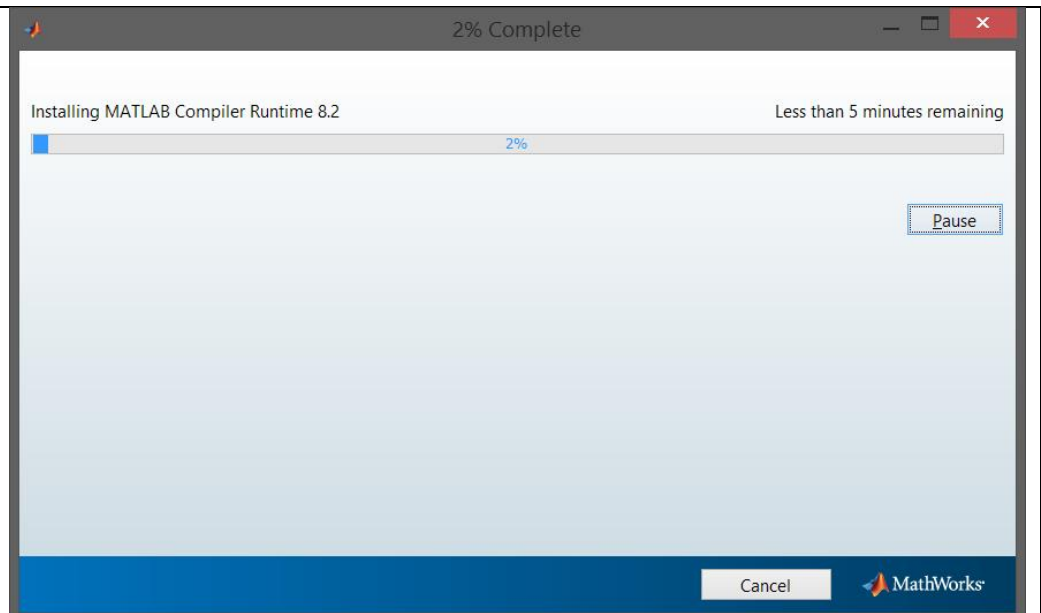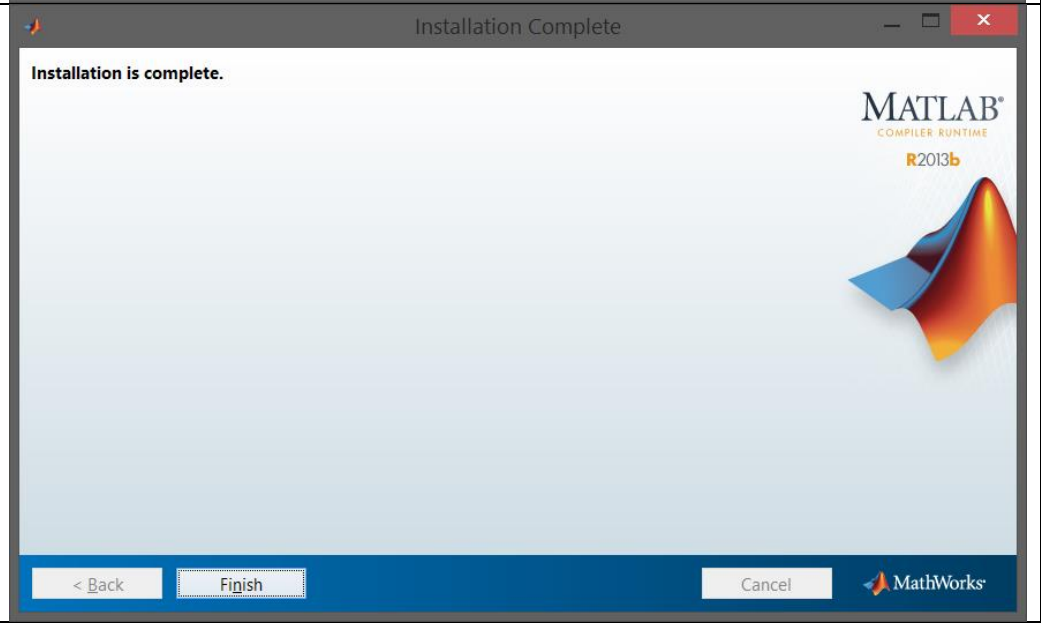|	
9. The installer provides a default installation path for the software. Specify another if desired. Click "Next" to continue.	**Folder Selection** ☐ ✕ **Specify installation folder** Enter the full path to the installation folder: C:\Program Files (x86)\MATLAB\MATLAB Compiler Runtime Browse... MATLAB COMPILER RUNTIME R2013b Restore Default Folder Space available: 122,244 MB Space required: 897 MB < Back Next > Cancel MathWorks
10. Confirm that the install path and products to be installed are correct. Click "Install" to proceed.	**Confirmation** ☐ ✕ **Installation folder:** C:\Program Files (x86)\MATLAB\MATLAB Compiler Runtime\v82 **Products:** MATLAB Compiler Runtime 8.2 MATLAB COMPILER RUNTIME R2013b < Back Install > Cancel MathWorks

11. The components will be installed.	**2% Complete** Installing MATLAB Compiler Runtime 8.2 Less than 5 minutes remaining 2% Pause Cancel MathWorks
12. Click "Finish" to proceed.	**Installation Complete** **Installation is complete.** MATLAB COMPILER RUNTIME R2013b < Back Finish Cancel MathWorks

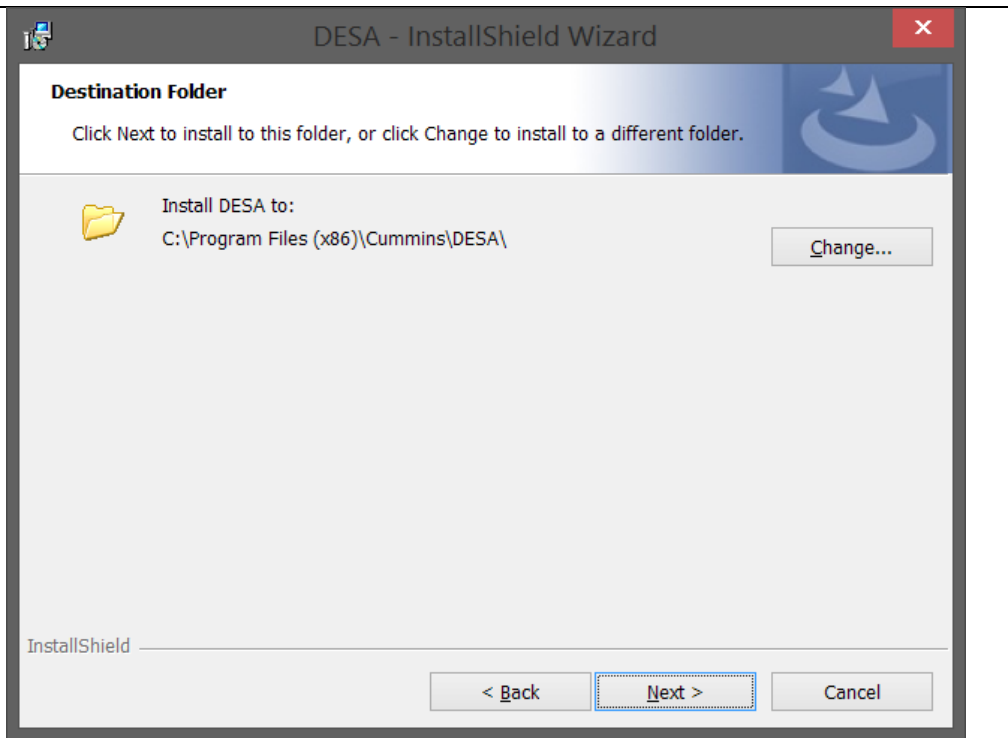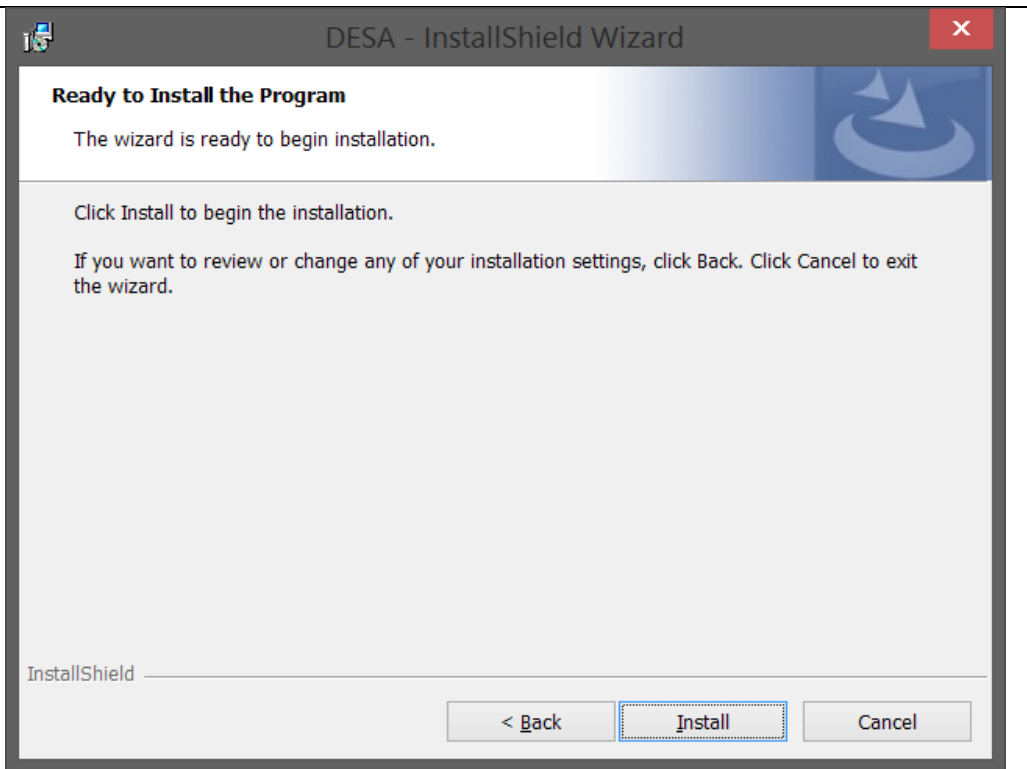|	
13. The installer will prepare for the DESA installation. No action is needed at this step.	

14. Click "Next" to proceed.

15. Read the License Agreement, click the radio "I accept the terms in the license agreement" button, and then select "Next" to continue.
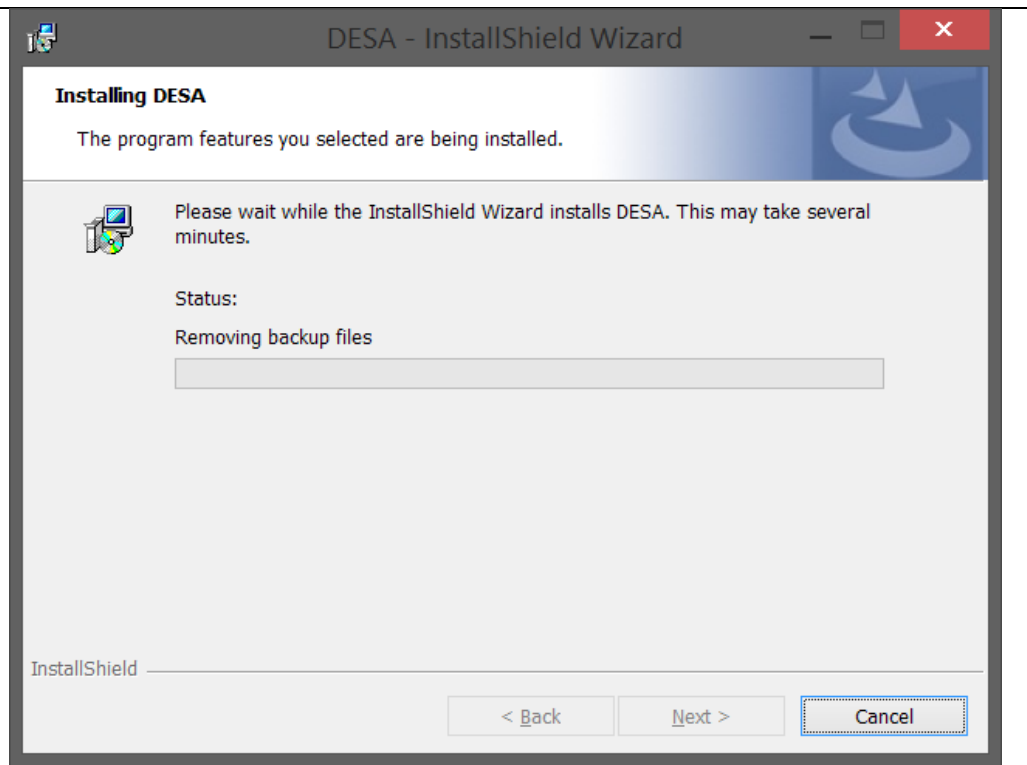
16. DESA provides a default installation path for the software. Specify another if desired. Click "Next" to continue.	**DESA - InstallShield Wizard** ✕ **Destination Folder** Click Next to install to this folder, or click Change to install to a different folder. 📂 Install DESA to: C:\Program Files (x86)\Cummins\DESA\ [Change...] InstallShield [< Back] [Next >] [Cancel]

17. Click "Install" to continue.

DESA - InstallShield Wizard

Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

InstallShield

< Back   Install   Cancel

18. DESA will be installed.

19. Click "Finish" to complete the installation.	**DESA - InstallShield Wizard** [X] **InstallShield Wizard Completed** The InstallShield Wizard has successfully installed DESA. Click Finish to exit the wizard. ☐ Show the Windows Installer log < Back Finish Cancel
20. To run DESA, open the shortcut created on the desktop.	**DESA**
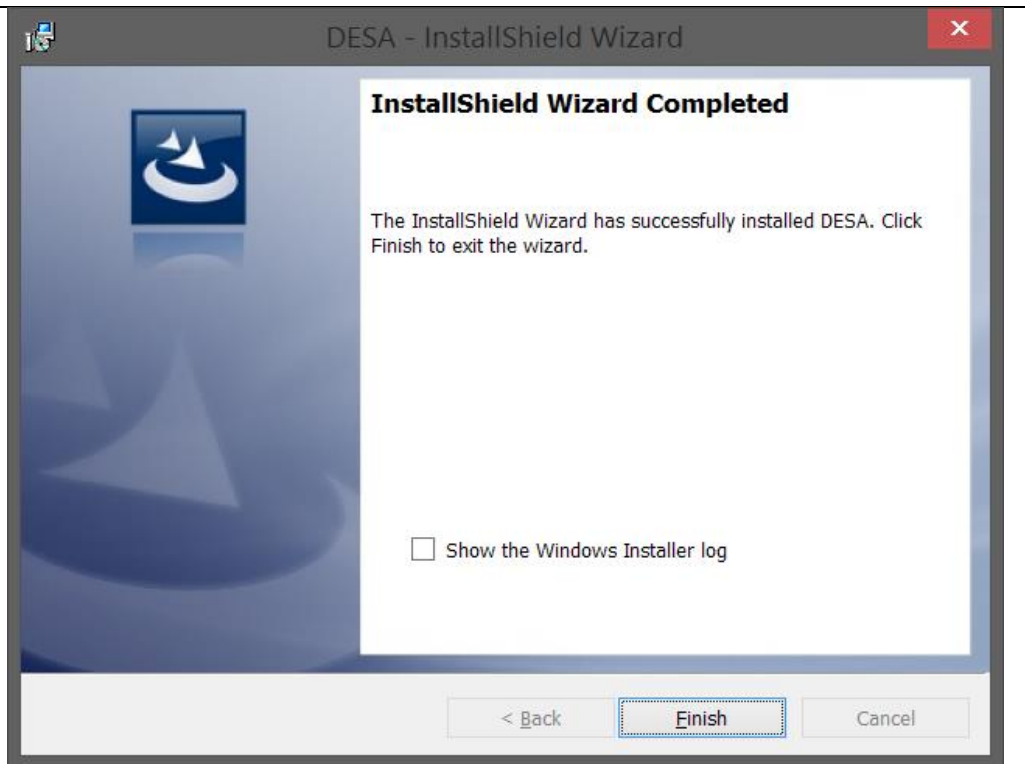
21. When running DESA for the first time, click the help button in the main panel for information on how to request a license.