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Section A: Installation Guide

A1. SELECT XM License

a) Standalone workstations

Overview

This is for installations which do not use the internet or network to authenticate the Bentley SELECT License which is required to run STAAD.Pro.

In order to complete the installation, your SELECT license file (*.XML) will be required. Without this file, STAAD.Pro will operate using a trial License for only 15 days.

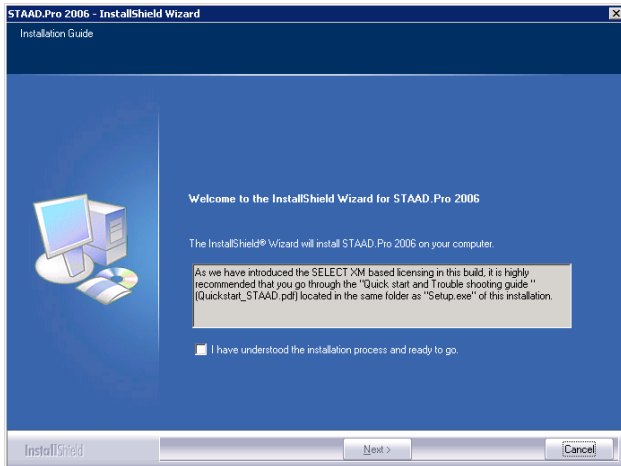
Instructions

a) Install STAAD.Pro

To install STAAD.Pro 2006 ensure you have logged in with an account that has administrative privileges. If you are unable to log in with a suitable account, then contact your network administrator to log in and perform the installation.

Insert the CD for STAAD.Pro 2006 which should automatically run an introduction application from which you can start the STAAD.Pro installation. If the introduction application does not begin, then use 'My Computer' to browse to the CD and double click on the file **SproCD.exe** which is in the root folder of the CD.

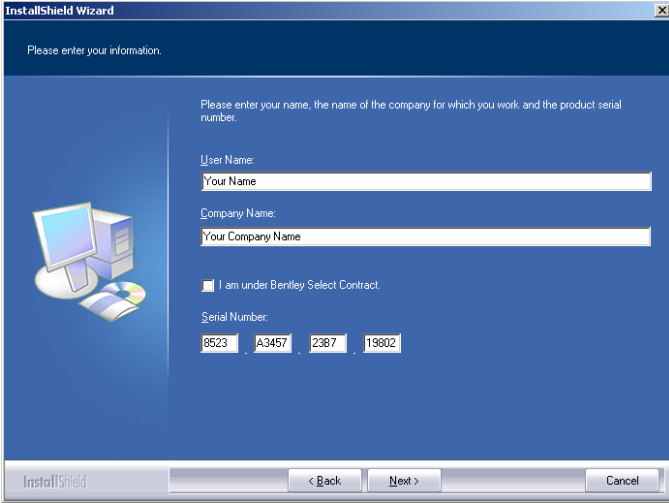
Due to the importance of understanding the security requirement, the first dialog box requires that the file 'QuickStart.pdf' is viewed prior to continuing with the installation. Once this has been done, click in the check box and on the Next> button.



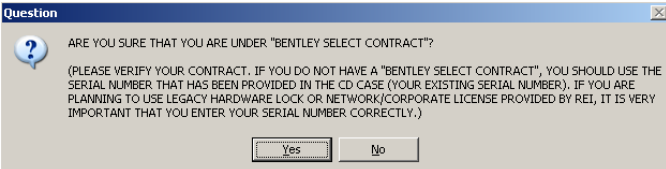
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Follow the instructions on the subsequent dialog boxes. The following steps are for assistance on the more significant dialogs. Those that are not illustrated here should be self explanatory.

When asked for the User Name, Company Name and Serial Number, there is an option for confirming that you will be using a Bentley SELECT License by clicking in the check box titled 'I am under Bentley Select Contract'. This will provide the serial number that is required for this method of security only.

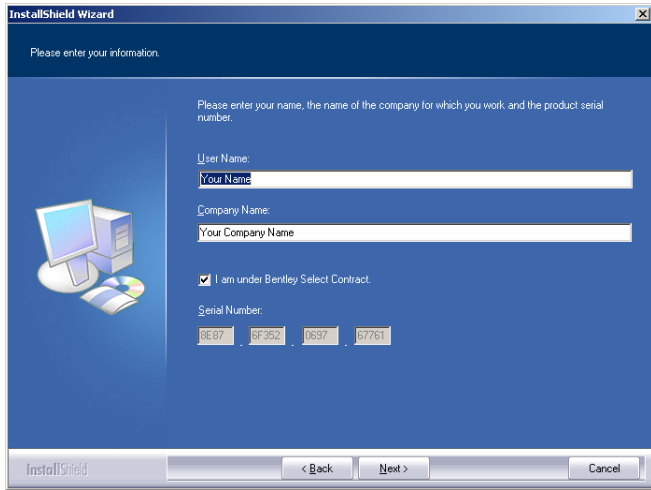


When the check box is clicked, the following confirmation message box is displayed.

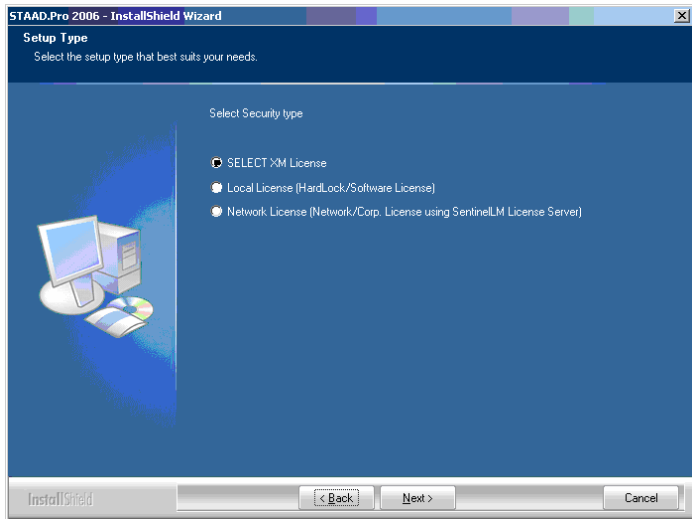


Click on the 'Yes' button to confirm the situation and the serial number box will get populated with a number as shown.

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Click on 'Next' button and the following dialog box is displayed which allows confirmation of the security method that is to be employed. This should be set to the option 'SELECT XM License' and confirmed by clicking on the 'Next' button.



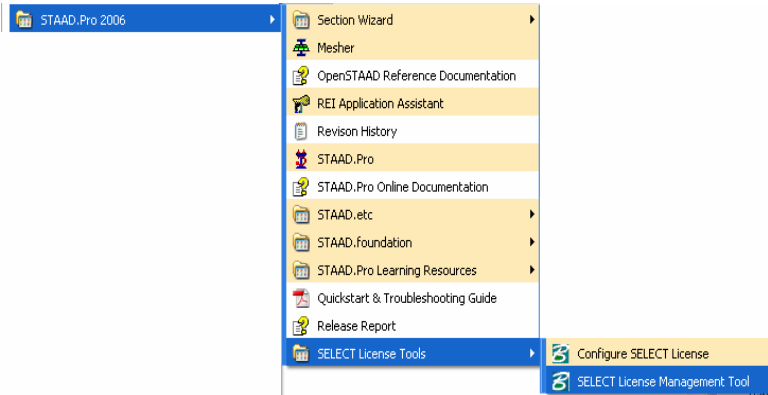
Continue setting your individual requirements in the remainder of the dialog boxes to complete the installation of the STAAD.Pro files.

A trial license is installed with software, which allows you to run STAAD.Pro for a period of up to 15 days. Within this period you must change to your specific Bentley SELECT License.

b) Adding a Standalone License file

You will need your Bentley SELECT license file (*.XML), which has been supplied. If you do not have it please contact your STAAD.Pro software supplier

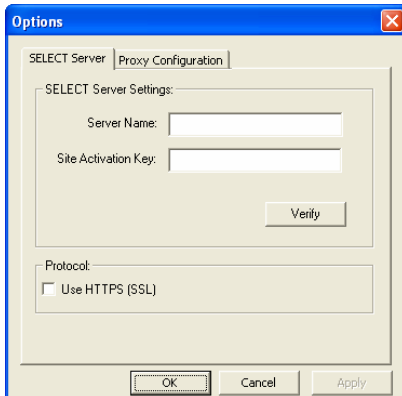
Copy the license file in your hard disk. Go to Start | Programs | STAAD.Pro 2006 | SELECT License Tools | SELECT License Management Tool as shown below:-



If this is being set for the first time, then the following message is displayed:-

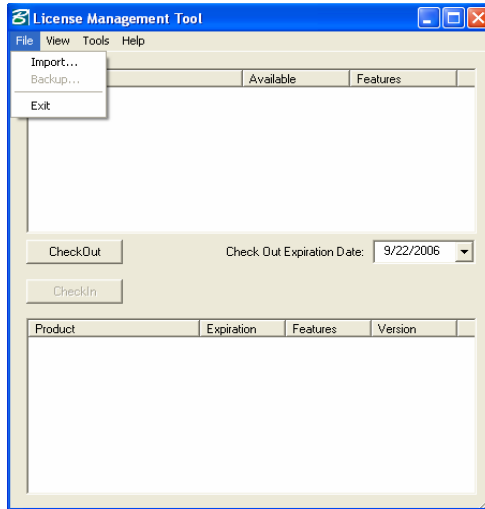


Click on the 'OK' button and the following dialog box is displayed

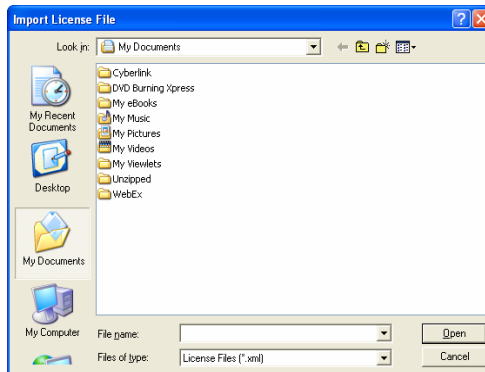


Section A: Installation Guide

As this is for a local license, click on the 'Cancel' button to cancel the Options dialog box and it is replaced with the License Management Tool, thus:-

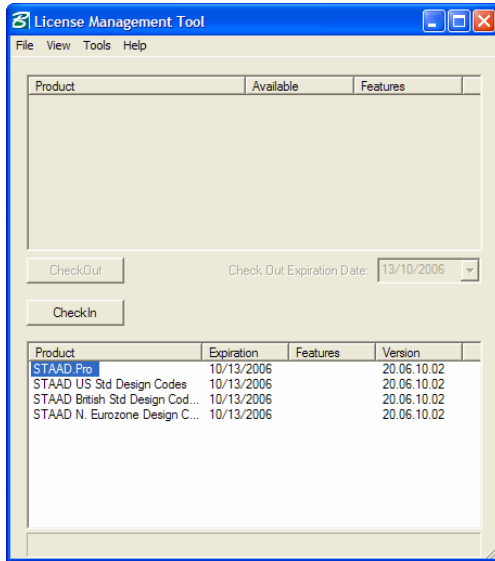


Click on the menu item 'File | Import...' to open the Import License File dialog box, thus:-



Browse to the location of the license file (.xml) file, select it and click on the 'Open' button to import the license file. If the file is successfully imported, the available licenses are displayed thus:-

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The security is now in place. The installation is complete and STAAD.Pro is ready for use.

b) Networked workstations

a. Using a Bentley SELECT License Server

Overview

This is for installations which use a Bentley Server to authenticate the Bentley SELECT License, which is used to run STAAD.Pro.

In order to complete the installation, the SELECT Server Name and Site Activation key will be required. If you do not have this, please contact your STAAD.Pro software supplier. Without this information, the installation will operate using a trial License for only 15 days.

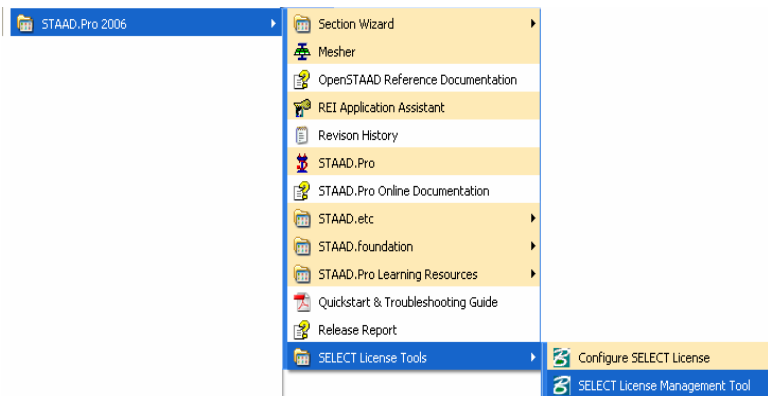
Instructions

a) Install STAAD.Pro

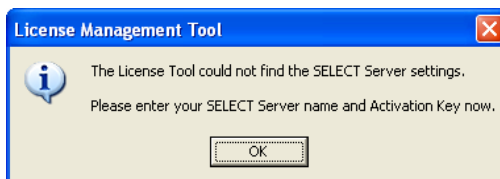
Follow the instructions of 'Installing a Standalone Workstation, a) Install STAAD.Pro' in the preceding section.

b) Adding the Bentley SELECT Server activation code

Go to Start | Programs | STAAD.Pro 2006 | SELECT License Tools | SELECT License Management Tool as shown below:-

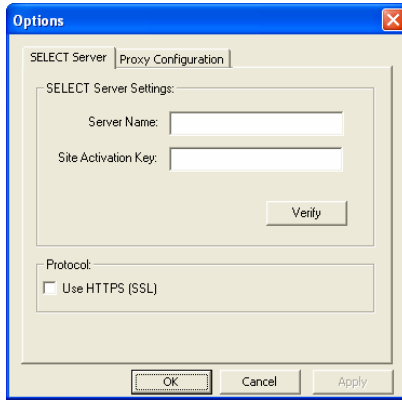


If this is being set for the first time, then the following message is displayed:-



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Click on the 'OK' button and the following dialog box is displayed

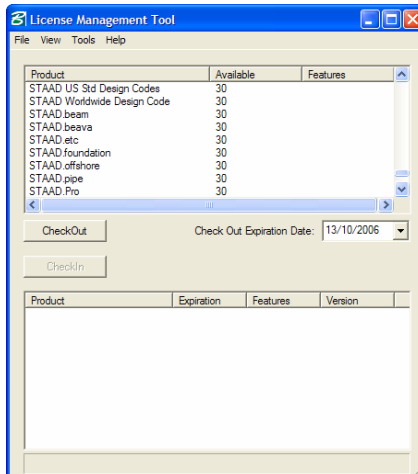


As this is for a Bentley SELECT Server, enter the name and Site Activation Key for the server that you will have been issued. E.g.:-

Server Name: licensexm.bentley.com
Site Activation Key: 1234567890ABCDE

Click on the 'Verify' button to confirm that the entries are correct.

Click on the 'OK' button to accept the settings which then display the License Management Tool with all the licenses that are available.



The security is now in place. The installation is complete and STAAD.Pro is ready for use.

b. Using a local SELECT License Server

Overview

This is for installations which use a local server to authenticate the Bentley SELECT License, which is used to run STAAD.Pro.

In order to complete the installation, the SELECT Server Name and Site Activation key will be required. If you do not have this, please contact your network administrator. Without this information, the installation will operate using a trial License for only 15 days.

Details of setting up the SELECT Server are covered in the next section.

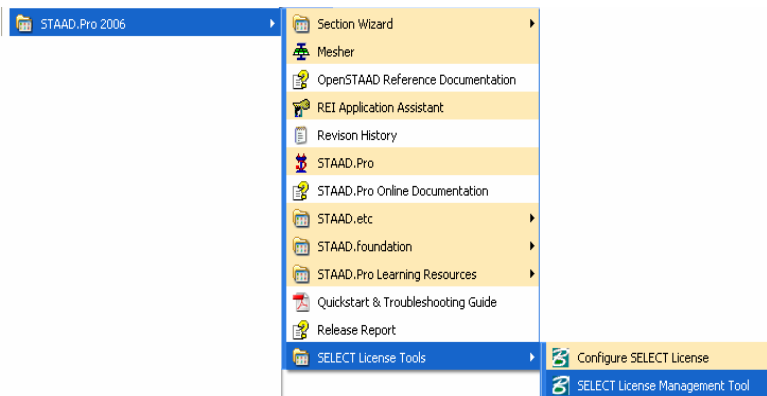
Instructions

a) Install STAAD.Pro

Follow the instructions of 'Installing a Standalone Workstation, a) Install STAAD.Pro' in the preceding section.

b) Adding the Bentley SELECT Server activation code

Go to Start | Programs | STAAD.Pro 2006 | SELECT License Tools | SELECT License Management Tool as shown below:-

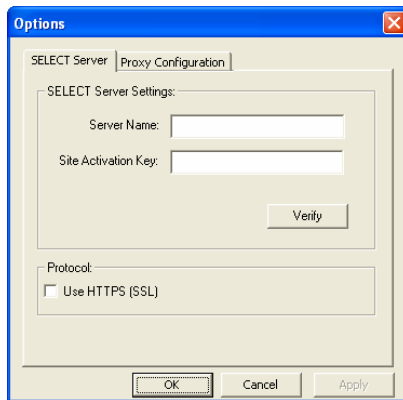


If this is being set for the first time, then the following message is displayed:-

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Click on the 'OK' button and the following dialog box is displayed



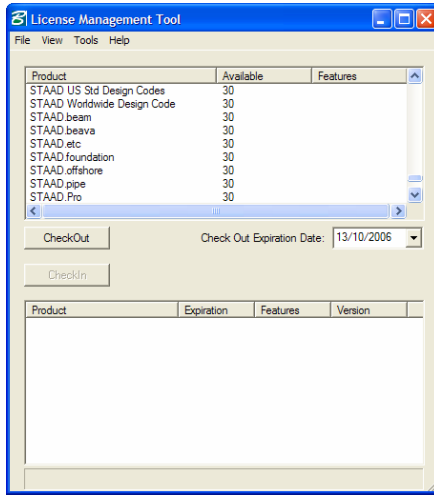
As this is for a Bentley SELECT Server, enter the name and Site Activation Key for the server that you will have been issued. E.g.:-

Server Name: LocalServerName
Site Activation Key: 1234567890ABCDE

Click on the 'Verify' button to confirm that the entries are correct.

Click on the 'OK' button to accept the settings which then display the License Management Tool with all the licenses that are available.

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The security is now in place. The installation is complete and STAAD.Pro is ready for use.

c. Local License Server Installation

Overview

This is for installations which use a local server on the client network to authenticate the Bentley SELECT License which is required to run STAAD.Pro.

Instructions

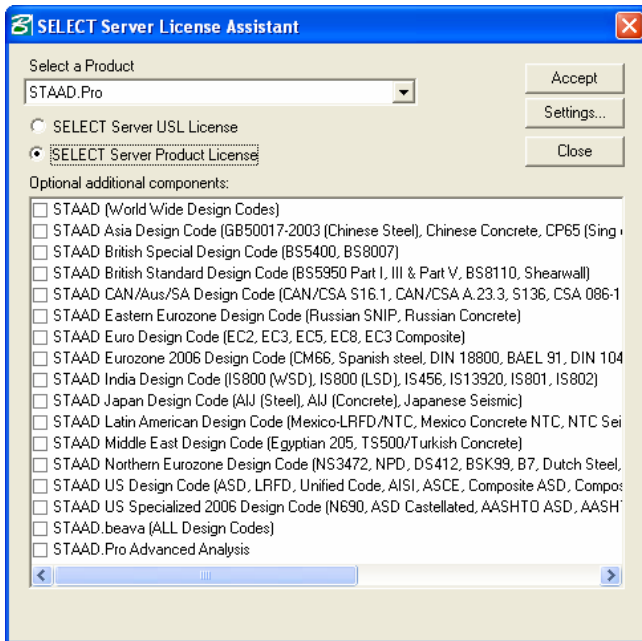
- 1) Obtain your SELECT ID. This will be supplied by your Bentley software supplier.
- 2) Using your web browser, go to the URL:-
<http://appsnet.bentley.com/myselectcd/>
- 3) Download the SELECT Server XM Edition
- 4) Run this installation on the server that is to be the Bentley SELECT Server.

Full details of the SELECT Server installation are included in the download.

A2. Bentley SELECT Configuration Tool For STAAD.Pro

The STAAD.Pro software can have multiple codes and add on modules. The Bentley Select system of licensing groups these codes and modules into predefined packs. License for appropriate packs have to be purchased. It is possible to purchase a different number of licenses for each individual pack.

The Bentley Select configuration tool (shown below) allows the user to select a combination of licenses that are likely to be accessed from a particular installation of STAAD.Pro on a workstation or laptop.



There are three types of license options:

- SELECT Server USL (Universal Structural License).
This license allows the usage of all Bentley structural software offered under the USL scheme.
- SELECT Server Product License allows the use of specific software for which license(s) have been purchased.

To be able to select one of these, knowledge of the license type is required. This information is internal to your organization.

The list of codes and modules shown will contain only those that are applicable to your organization. In the dialogue box of the configuration tool check only those

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that are likely to be used from this installation and then click on Select. This is important because STAAD.Pro will use up one license of each code pack or module that you check here. Therefore, every time STAAD.Pro is invoked from this installation, the license count of each of the checked components will be reduced by one on the server and hence not be available to any other installation until this instance has exited or finished running.

The 'Accept' button records the checked options and closes this configuration tool. Please note that every time you run this tool, you have to make all the selections afresh. The tool will not echo your previous selection(s).

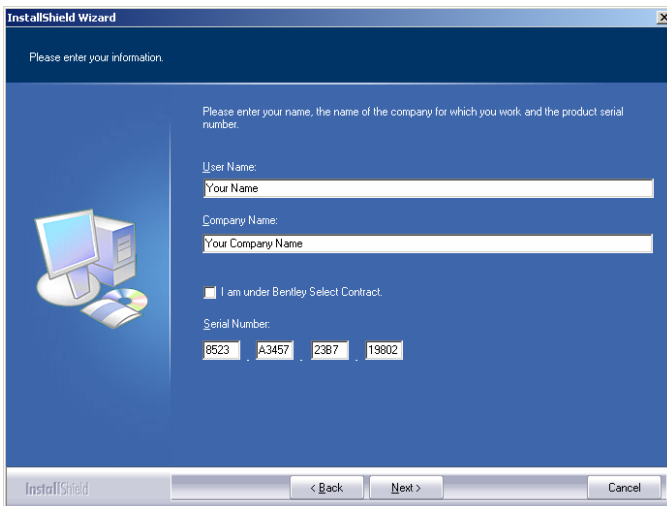
The 'Settings' button invokes the Bentley License tool. The use of this tool has been described earlier in this Installation guide.

The 'Close' button will close down this configuration tool.

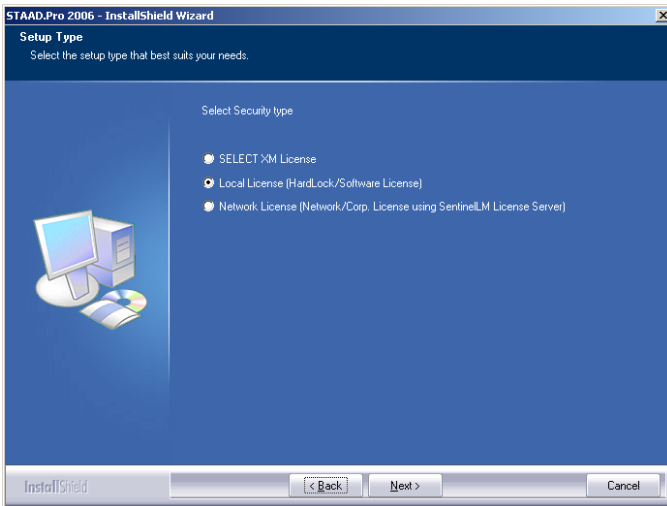
A3. Non – SELECT License a) New Standalone Hardlock:

Please note the following points before starting the installation:

- 1) Make sure you log in with administrative rights.
- 2) There is a sticker attached to the CD case that contains the serial number for the program. You must use the serial number assigned to your specific lock. Otherwise, you will not be able to update your lock in the future.
- 3) Insert the CD for STAAD.Pro 2006 and follow the instructions on the screen to install the software. Some of the dialog boxes that need a more detailed explanation are shown next. Others are self explanatory



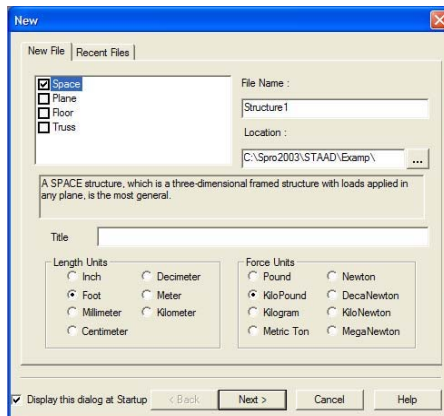
If you have an older version of STAAD.Pro installed in the machine, the serial number information will show up automatically in the previous dialog box. If STAAD.pro is being installed for the first time in the machine, the box will be blank. In that case you will have to enter the serial number provided in the CD case.



5) When the installation wizard asks you to select the security system type select **Local Security**. Proceed with the following steps as instructed by the wizard to complete the installation.

6) After the installation is complete, start the program either by double-clicking the shortcut icon created on the desktop for **STAAD.Pro 2006** or by going to your Windows *Start* menu, Programs => STAAD.Pro 2006 => **STAAD.Pro**

7) If you are able to see the *New* dialog box as shown next, the installation was successful.



b) New Network License Manager:

The current version of STAAD.Pro and additional suite products require the REI License Manager Version 4.1 or higher.

If you are currently running an older version of the REI Network License Manager or any SentinelLM service version 8x supplied by any vendor, this service must be first stopped and then removed prior to installing the latest License Manager.

The latest license manager can be downloaded from the following URL:-

For dongled servers:-

www.reiworld.com/upload/NetLM4.1.zip

for corporateservers:-

www.reiworld.com/upload/CorpLM4.1.zip

Subsequently you may use the REI License Manager to Add the licenses (for both REI and non REI products) Please note that you must use REI License Manager as the licenses provided for the lock is only compatible with this customized server.

Installing the REI Network License Manager on the server

- 1) Make sure you are logged in with administrative rights.
- 2) If an older version of license manager is running, it is required to stop and remove the existing service before starting the new installation. You will find a file named loadls.exe within the files that get downloaded using the URLs mentioned above. Double click on that file and click on the "Remove" button in the resulting dialog box.
- 3) To start the installation for the License Manager, you will have to double click on the REILM.exe file that is also a part of the download mentioned before. Follow the instructions provided by the installation wizard.
- 4) By default, the files will be copied to the folder C:\NETLM . Click on the

Section A: Installation Guide

Browse button if you want to select a different destination folder.

5) The wizard will then prompt you to select the type of security device. Select the appropriate option which corresponds to the type of lock you were sent with the software.

6) The installation will now ask if you want to install the license string. The license string is a file that is provided through email and has an extension of .LIC. If you did not receive the file, contact your local REI office. If you have the file, click on Yes. Please ensure that the network lock (if provided) is connected to the machine and then browse to the location of your license string.

*Note: If you do not have the license string with you or want to add it later manually, click No when prompted to add the license string. For instructions on adding the license string manually, see Section 5.1.1, steps 5 and 6.

7) Once you have provided the path to your license string, click on Next.

8) The installation will then add the license string

Once the installation is complete, the SentinelLM service will start automatically. You are now ready to install STAAD.Pro 2006 on client machines.

Installing STAAD.Pro 2006 on the client machine

1) Make sure you log in with administrative rights.

Note that the serial number used for installation in the client machine must match the serial number assigned to the network lock in order for the program to be able to pull the license from the server. The serial number is available in the CD case.

2) Insert the CD for STAAD.Pro 2006 and follow the instructions on the screen to install the software.

3) When the installation Wizard prompts you to select the security system, select the **Network Security**.

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- 4) Next, enter the name of the server on which the *REI Network License Manager* is running. You will then be asked to provide the location of the *.USR* file. This file is also supplied in a floppy disk or through email along with the network license file. Proceed with the steps as instructed by the wizard to complete the installation.

- 5) After the installation is complete, start the program by either double-clicking on the desktop shortcut icon for **STAAD.Pro 2006** or by going to your Windows *Start* menu, then Programs => STAAD.Pro 2006 => **STAAD.Pro**

- 6) If you are able to see the "New" dialog box, then the installation was successful.

Section B: Updating Old Security Systems

B1. Updating Hardlocks

a) Updating from version 2004 or 2005

Updating your hardlock is only necessary when upgrading from one version of STAAD.Pro to another, or if you have purchased additional components. Your hardlock needs to be updated only once for STAAD.Pro 2006.

This is ONLY for US customers. Customers in other regions should follow instructions provided by their local support centre

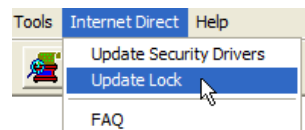
1) After the installation is complete, start the program by either double-clicking on the desktop shortcut icon for **STAAD.Pro 2006** or by going to your Windows *Start* menu, then Programs => STAAD.Pro 2006 => **STAAD.Pro**



2) At this point, the software will attempt to update your lock automatically for this new version. If you are connected to the internet, continue to the next step in this section. If you are not connected to the internet, close STAAD.Pro, connect to the internet, then open the program again. If this computer does not have internet connection, please stop here and skip to Section 5.5.

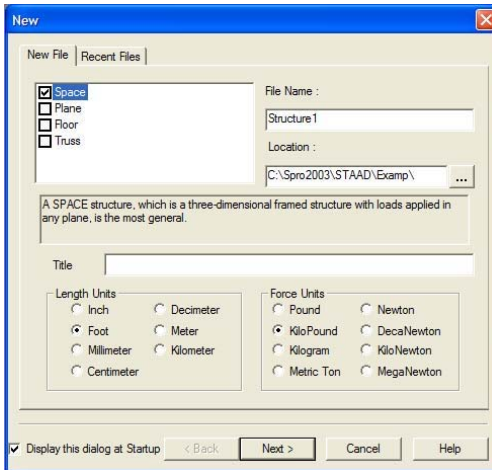
3) If you are able to see the *New* dialog box, then the lock update was successful and you can stop here - you are now ready to use STAAD.Pro2006. If the program gives you a message explaining that the lock is not programmed for this version, continue to the next step.

4) From the Windows *Start* menu, go to Programs => STAAD.Pro 2006 => REI Application Assistant. Then go to the Internet Direct menu and select Update Lock.



Section B: Updating Old Security Systems

The program should give you a message that the lock was updated successfully. If you can now open the program and see the *New* dialog box, then you can stop here - you are ready to use *STAAD.Pro 2006*.



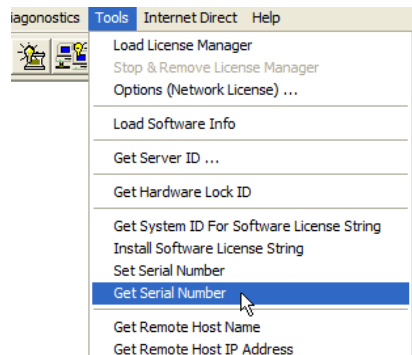
Otherwise, refer to the following section.

*Continue here if the machine on which STAAD.Pro 2006 is installed is not connected to the internet.
(Note ONLY for US customers)*

Go to the Windows *Start* menu =>
Programs =>
STAAD.Pro 2006 =>

REIApplication Assistant.

Go to the **Tools** menu and select **Get Hardware Lock ID**. The program will report a *Hardware Lock ID*. Write down this ID. Then go to the **Tools** menu again and select **Get Serial Number**.



Section B: Updating Old Security Systems

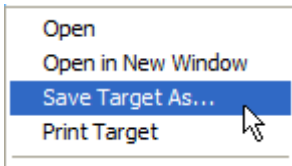
The program will display a 18 character *serial number*. Write this information down also.

Go to a computer with internet connection. Open an internet browser, such as Internet Explorer, and go to the following web page:

<http://www.reiworld.com/updateslock>

5) Follow the steps outlined on that page. You will be asked to enter the lock id and serial number. The page will then display a link to download a license file with an extension *.LDF* and a password.

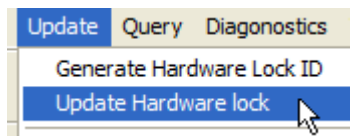
*Note: If the web page is unable to generate your license file, it will report an error. If this occurs, please contact your local REI office for assistance. For the users in US, send a request to license@reiusa.com with your company name, the hardlock number (found on the side of the lock) and the exact error message.



6) Right click on this link and from the menu that appears, select *Save Target As...* Save this file and select 'All Files' for *Save As Type*.

7) Write down the password given on this page. Go back to the computer on which *STAAD.Pro 2006* was installed. Copy the file onto your Windows desktop.

8) Open the **REI Application Assistant** again (Start =>Programs => *STAAD.Pro 2006* => REI Application Assistant). This time go to the **Update** menu and select **Update Hardware lock**.



Section B: Updating Old Security Systems

9) When prompted, enter the path for the license file (.LDF) which you just saved on your desktop or click on the **Browse** button to locate the file. Enter the *password*.

10) Once you have entered the information, click on **Update Lock**. The program should give you a message that the lock was updated successfully. If you can now open



STAAD.Pro 2006 and see the *New* dialog box, you can stop here - you are ready to use STAAD.Pro 2006. Otherwise, continue to the next step.

11) If you still encounter problem, please contact your local REI office for assistance or send a request to license@reiusa.com with your company name, the hardlock number (found on the side of the lock) and the exact error message.

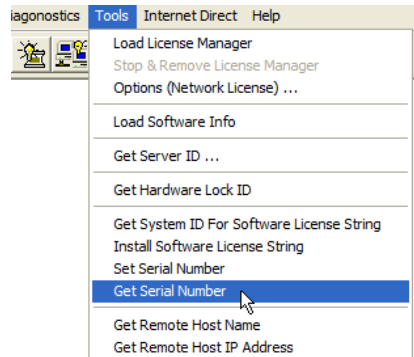
Section B: Updating Old Security Systems

b) Updating from version 2003 or earlier

All customers outside the US should follow instructions provided in this section to update their locks to 2006)

Updating your hardlock is only necessary when upgrading from one version of STAAD.Pro to another, or if you have purchased additional components. Your hardlock needs to be updated only once for STAAD.Pro 2006.

1) From the Windows *Start* menu, go to Programs => STAAD.Pro 2006 => **REI Application Assistant**. Go to the **Tools** menu and select **Get Hardware Lock ID**. The program will report a *Hardware Lock ID*. Go to the **Tools** menu again and select **Get Serial Number**. The program will report a 18-character *serial number*.



2) Customers in US need to send an email to license@reiusa.com with the following information:

- your name
- company name
- the hardlock number (found on the side of the lock)
- Hardware Lock ID number from step 5
- program serial number from step 5

Customers outside US need to send the email to their local REI offices

3) You will need to wait for a response from the REI license department.

4) You will receive an email which will include an attachment

Section B: Updating Old Security Systems

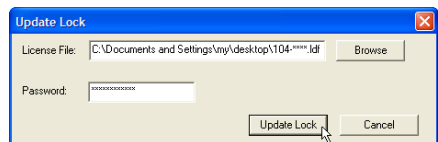
and a password. The attachment will have the extension .LDF. Save this file onto your Windows desktop.

5) Open the **REI Application Assistant** again (Start => Programs => STAAD.Pro 2006 => REI Application Assistant). This time go to the **Update** menu and select **Update Hardware lock**.

6) When prompted, enter the path for the license file (*LDF*) which you just saved onto your desktop or click on the **Browse** button to locate the file. Also enter the *password* which you received in the email.

7) Click on **Update Lock**.

The program should give you a message that the lock



was updated successfully. If you can open STAAD.Pro 2006 and see the *New* dialog box, you can stop here - you are ready to use STAAD.Pro 2006. Otherwise, continue to the next step.

8) If you encounter problem please contact your local REI office for assistance. For the users in US, send a request to license@reiusa.com with your company name, the hardlock number (found on the side of the lock) and the exact error message you are getting. Customers outside US need to contact their local REI office.

B2. Updating Network Licenses

a) Updating from STAAD.Pro 2005 or earlier

This is ONLY for US customers. Customers in other international regions should refer to the instructions provided at the end of this section.

Updating your network license is only necessary when upgrading from one version of STAAD.Pro to another, or if you have purchased additional components. Your network license needs to be updated only once for STAAD.Pro 2006.

If you are updating from any older version of STAAD.Pro

Updating the license on the server

1) Open the folder where the *REI Network License Manager* files are located. The default location for this folder is C:\NETLM

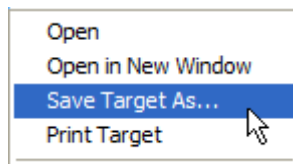
2) Run *REIAssistant.exe*. Go to the Tools menu and select **Get Hardware Lock ID**. The program will report a *Hardware Lock ID*. Then go to the **Tools** menu again and select **Get Serial Number**. The program will report an 18-character serial *number*. Write this information down.

3) Open an internet browser, such as Internet Explorer, and go to the following web page:

<http://www.reiworld.com/updateslock>

4) Follow the steps on this page. You will be asked to enter the information which you obtained in step 2 above. The page will then display a link to a license file with the extension *.LIC* and a *.usr* file.

Right click on this link and from the menu that appears, select *Save Target As...* Save this file

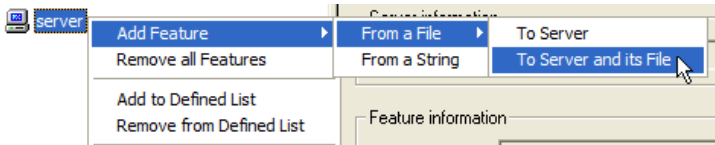


Section B: Updating Old Security Systems

onto your Windows desktop.

*Note: If the webpage is unable to generate your license file, it will report an error. If this occurs, please contact your local REI office for assistance. For the users in US, send a request to license@reiusa.com with your company name, the hardlock number found on the side of the lock for the Network Locks, server ID for the Corporate License and the exact error message you are getting.

5) Go to the C:\NETLM folder. Run *WLMAdmin.exe*. On the left hand side under *Subnet Servers*, you should see a list of your license servers. Your existing license should be listed as a feature (say *NGSOFT01*) under your server. Right click on the feature name and remove the feature.



6) Then right click again on the server, and go to Add Feature => From a File => To Server and Its File. You will then be prompted to locate the *.LIC* file which was downloaded in step 4 above.

7) After the license string has been added, you should see the feature *NGSOFT01* reappear in a branch below the server.

Users outside the US will have to execute steps 1 and 2 mentioned above. Instead of step 3, they need to send the information obtained in step 2 to their local REI office. They will in turn receive the *.LIC* file subsequent to which they can execute steps 5 through 9.

Section C: Troubleshooting

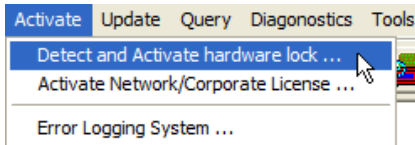
C1: Standalone Locks

The following is a list of error messages that you may encounter while using *STAAD.Pro*. Each error message is followed by an explanation on how to troubleshoot the problem. If you receive an error message which is not a part of this list, please contact your local REI office for assistance.

Hasp family mismatch

From the Windows *Start* menu, go to Programs => *STAAD.Pro* 2006 => **REI Application Assistant**. Go to the **Activate** menu and select **Detect and Activate hardware lock**.

Make sure that the *STAAD.Pro* lock is attached directly to the computer and that no other locks are attached. The



program will search for an attached lock and will activate the lock found.

Old Version of Lock Found

Your *STAAD.Pro* hardlock is not programmed for the current version. Refer to the section of this *Installation and Troubleshooting Guide* titled “Updating Lock or License” for instructions on updating your hardlock.

Security Drivers are old

Open a web browser, such as Internet Explorer, and type the following address in the address box

www.reiworld.com/upload/REISecurityDriverFiles.zip

It will prompt you to save a file on your computer. Save it onto your desktop.

a) Open the zip file, REISecurityDriverFiles.zip, and extract the files into C:\Spro2006\Hardlock. You can rename or move the existing files having the same name to keep them as a backup.

Troubleshooting

- b) Double click on REIAssistant.exe, or go to Start => Programs => STAAD.Pro 2006 => **REI Application Assistant**
- c) Go to Uninstall => Uninstall License System
- d) Go to Install => Install License System

Hasp License Expired

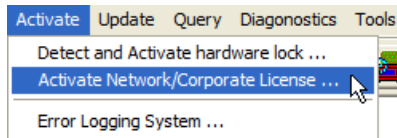
The license for the STAAD.Pro hardlock has expired. Please contact your local REI office to find out what is needed in order to reprogram your hardlock. For the users in US, send a request to license@reiusa.com with your company name, the hardlock number (found on the side of the lock) and the exact error message you are getting. Users outside US need to contact their local REI office.

C2: Network Locks

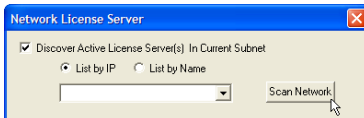
Network License Serial Number does not match with product serial number

The serial number used on the client machine must match the serial number assigned to the network lock in order for the program to pull the license from the server. This message indicates that the client machine is using a serial number which is different from the serial number for the license on the server.

On the client machine:
From the Windows
Start menu, go to
Programs => STAAD
.Pro 2006 => REI



Application Assistant. Then go to the **Activate** menu and select **Activate Network/Corporate License**. In the *Network License Server* window that appears, check the box for 'Discover Active License Server(s) in Current



Subnet' and click on the button **Scan Network**.

The program should locate list of servers in the drop-down list. Select the server which is running the *REI Network License Manager*. Then click on the button **Scan For Installed Licenses**. In the list that appears for *Available License(s)*, locate the feature called **NGSOFT01**. Select this license and click on the **Select** button.

Start STAAD.Pro 2006. The program should now open properly and you should see the *New* dialog box.

If any of the above steps do not provide adequate results, or activating the new license does not resolve the problem, please contact your local REI office for assistance. For the users in US, send a request to license@reiusa.com with your company name, the hardlock number (found on the side of

Troubleshooting

the lock) and the exact error message you are getting. Users outside the US need to contact their local REI office.

C3: SELECT based license

Select License Information is not yet configured or incomplete

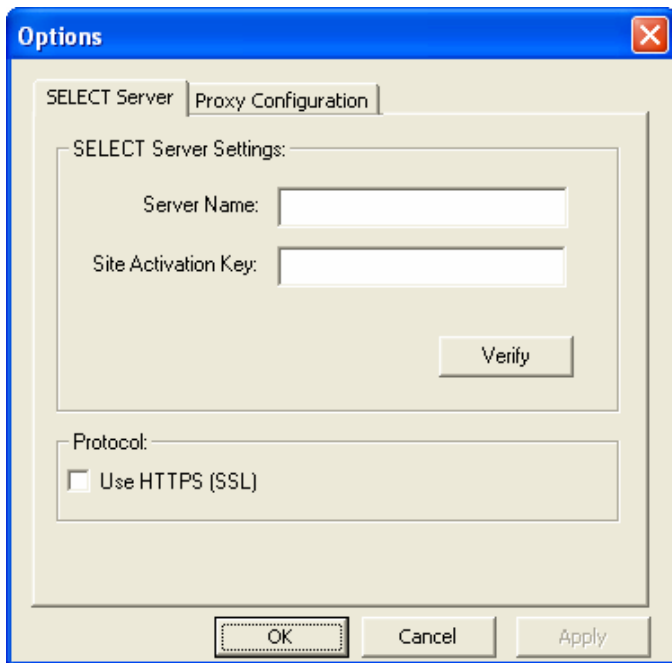
The above message means that the SELECT server has not been configured or license information is incomplete. To rectify this error go to Start | Programs | STAAD.Pro 2006 | SELECT License Tools | SELECT License Management Tool

The License Management Tool dialog box will come up as shown next.



Click on OK and the following dialog box is displayed:-

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You will need to key in the Server Name and the Site Activation Key. After typing in those information, click on Verify and you will get a message verifying the server name and the activation key. You will also be able to see the available licenses

www.reiworld.com

To visit our FAQ/Knowledge Base, click on the icon:



or go to the following web address:

<http://www.reiworld.com/Support/Pro/Fags.asp>

To visit our Discussion Group page, click on the icon:



or go to the following web address:

<http://www.reiworld.com/Support/Pro/Discussion.asp>

To visit our Tutorials and Demos page, click on the icon:



or go to the following web address:

<http://www.reiworld.com/Product/AllDemo.asp>