Trip Requirement and Availability Calculator (TRAC)

Installation Guide for a New User

Version 3.8(47)





TRAC

<u>Trip Requirement and Availability Calculator</u>

TRAC is a validated, professionally developed package for Instrumented Protection System SIL Determination and Design in accordance with IEC 61508 & IEC 61511.

Installation Guide

1. How to Launch the TRAC Installer	3
2. Installing the TRAC Client	4
3. Installing the Microsoft Access 2003 Runtimes	7
4. Installing the Microsoft Access 2003 SP3	9
5. Installing the Microsoft Office Post SP3 Hotfix	11
6. Installing MSDE –TRAC Server	13
6.1 Installing TRAC Server (SQLExpress)	14
6.2 Installing TRAC Server (MSDE2000)	25
7. Starting the TRAC Server	26
7.1 Starting TRAC Server (SQLExpress)	26
7.2 Starting TRAC Server (MSDE2000)	27
8. Licensing TRAC	28
9. Creating your first TRAC database	32
10. Opening a TRAC database	

Welcome to TRAC.

This document provides instructions for new users installing the TRAC software on a **standalone** PC i.e. *both client and server software are running on the same PC*. For details on how to install and configure TRAC on networks, please refer to the TRAC User Manual or TRAC Help Files.

This Installation Guide covers TRAC versions 3.8(47) onwards.



1. How to Launch the TRAC Installer

Please follow all the steps below to launch the TRAC Installer:

 Insert the TRAC CD into the CD drive on the PC. The TRAC menu system should launch automatically. (If not, then navigate onto the CD and double click *autorun.exe*)

If you have obtained TRAC via the website, then you will need to unzip the contents of the downloaded ZIP file into a folder on your local PC. You can then navigate to this folder and double click the file **autorun.exe**



2. Select the option 'Install TRAC Software (Menu)'





2. Installing the TRAC Client

1. Please read the instructions and then select 'Install TRAC Client Software'.



2. The TRAC Installation program will now begin. Click Next to continue



3. Please enter the required information and click 'Next'

B ABB Eutech TRAC 3.8 (47) Setup	×
Customer Information	
Please enter your customer information	0
<u>U</u> ser Name:	
Chris Thomas	
Organization:	
co ABB	
	< Back Next > Cancel



4. Please select **Typical** as the installation option



5. Please select 'Install'



On some computers you may receive a message telling you there was a '**Starting Error**' This can be ignored (Click the OK button) and will not affect on your installation.





6. A dialogue box will confirm that the TRAC client software has been installed. Please click '**Finish**' to continue the installation.



Notes:

Depending on the security configuration of your PC, you may need administrative rights to install and register the TRAC software.

In Windows 2000 or later, then certain permissions need to be set as a minimum. The following table shows the permissions required for folders/files created during the Client installation

Name	Туре	Location	Permissions
ABB Eutech	Folder	C:\Program Files	Read/Execute
ABBeutCIMLib	Folder	C:\Program Files\ABB Eutech	Read/Execute
TRAC.ADE	File	TRAC Version folder on C:\Program Files\ABB Eutech	Write

See 'Windows NT Security' in the TRAC Help Files for further guidance

3. Installing the Microsoft Access 2003 Runtimes

 The TRAC software requires Microsoft Access 2003 to be installed. If you do not already have a copy installed on your PC, you must install the Access 2003 Runtimes provided in the installer. Return to the 'Install TRAC Software menu' and select 'Install Microsoft Access 2003 Runtimes'.



2. Please click 'Install to start the installation process

Wicrosoft Office Access 200	3 Runtime Setup	
Microsoft Office Access 2003 F	tuntime	C
Summary		CiC
Setup is ready to begin installing	and will perform the following tasks:	
- Install the following Micro	soft Office 2003 applications	
Access Runtime	(Run from My Computer)	
	Space Required 98 f	4B
	Space Available 37 0	ΞB
	< Back Install	Cancel



3. When the installation has completed, the 'Setup Completed' screen will be displayed. Please click **Finish**





4. Installing the Microsoft Access 2003 SP3

TRAC requires that the Microsoft Access runtimes have the most recent service pack applied to them. If you previously had Microsoft Access on your PC and have therefore not installed the Runtimes (as instructed above), please check whether you have Service Pack 3 applied to your version of Microsoft Access (this can be found on the Help About screen of Microsoft Access). If your Microsoft Access does have Service Pack 3 applied, then you are not required to install the Service Pack 3 as per the following instructions. You may however be required to install the Microsoft Office Post SP3 Hotfix

1. To install Microsoft Access Service Pack 3, return to the 'Install TRAC Software' menu and select Install Microsoft Access 2003 SP3



2. Please select Yes when asked if you want to install the update



Please select Yes to accept the licence agreement





The relevant files will be extracted

Extracting MAINSP3.msp	

and then the Service Pack will start preparations to install

Windows Installer	
Preparing to install	Cancel

When the Service Pack is ready, it will start the installation process



When the installation process has completed, you will be notified. Please click the **OK** button to finish





5. Installing the Microsoft Office Post SP3 Hotfix

In order to ensure the correct functionality of the TRAC system we recommend that you install the Microsoft Office Post SP3 Hotfix.

1. To install Microsoft Office Post SP3 Hotfix, return to the 'Install TRAC Software' menu and select Install Microsoft Office Post SP3 Hotfix



- 2. To install Microsoft Office Post SP3 Hotfix, return to the 'Install TRAC Software' menu and select Install Microsoft Office Post SP3 Hotfix
- 3. The Hotfix will start preparations to install

Windows Installer	
Preparing to install	Cancel

When the Hotfix is ready, it will start the installation process

🛱 Microsoft Office Access 2003 Runtime Setup	
Microsoft Office Access 2003 Runtime	
Installation Progress:	
Current Action:	
Preparing to install	
	Cancel

When the installation process has completed, you will be notified. Please click the $\ensuremath{\text{OK}}$ button to finish





6. Installing MSDE –TRAC Server

If you want to be able to create TRAC databases on your local PC, you will need to install the TRAC Server

Please note that both MSDE and SQLExpress, supplied as part of the TRAC installation, can only be used for TRAC & TRAMS databases. Your organisation must hold the appropriate Microsoft licenses to use MSDE for any other application databases

1. To install MSDE – TRAC Server, return to the 'Install TRAC Software' menu and select Install MSDE – TRAC Server



2. There are two versions of the TRAC Server (MSDE2000 and SQLExpress).



6.1 Installing TRAC Server (SQLExpress)

Before installing the TRAC Server (SQLExpress) you will need to install the .NET Framework Version 2.0

1. From the Install MSDE – TRAC Server screen, click Install .NET Framework (Prerequisite)



2. The relevant files will be extracted to a temporary location

MICLOSOFT .INC. I TRAINEW	01K 2.0		
Extracting netfx.msi			
		••• [Cancel

3. When all files have been extracted, the .NET Framework is ready for installation. Click Next to start the installation

Microsoft .NET Framework 2.0 Setup	
Welcome to Microsoft .NET Framework 2.0 Setup	
This wizard will guide you through the installation process	
	Next > Cancel



4. When the End User License Agreement form is displayed ensure the I accept the terms of the License Agreement checkbox is ticked. This will enable the Install button/ Click this Install button to continue

End-User Lice	nse Agreement				~
MICROSOFT SO MICROSOFT .NE	TWARE SUPPLEM T FRAMEWORK 2	IENTAL LICENS	E TERMS		
supplement to yo software (the "s not have a licens validly licensed o	out, If you are lice oftware"), you ma e for the softwar opy of the softwa	nsed to use Mi ny use this sup e. You may us re.	icrosoft Windo plement, You e a copy of thi	vs operating nay not use il s supplement	system t if you do with each
				. (Print
5	ot the terms of th	e Licence Agri	eement" and n	oceeding to u	ice the
IN CHERIDEL DECK		IE LICENSE AUR	sement and p	oceeding to t	The rule

5. The installer will start configuring the install

Setup	
•	Setup is configuring the install. This may take a minute or two.

6. And then start the installation process





7. When the installation is complete, you will be notified. Click Finish to end the process



8. You are now ready to install SQLExpress – TRAC Server From the Install MSDE – TRAC Server menu, click on the Install SQL Express – TRAC Server option

	Install MSDE - TRAC Se Click for additional information before installing M. If you want to keep a TRAC database on this PC, you will need to inst. There are two versions of the TRAC Server available SQLExpress (Desktop equivalent of MS Install .NET Framework (Pre-requisite Install SQLExpress - TRAC Server	TVET SDE all the TRAC Server. SQL2005) () () ()
	MSDE 2000 (Desktop equivalent of MS Install MSDE 2000 - TRAC Server Apply MSDE 2000 Service Pack 4	SQL2000) ?
Long	< Back @ABB Limited 2005-2010	ABB



 After all relevant files have been extracted to your PC, the SQLExpress installation will begin and the End User License Agreement page will be displayed. Please read the license agreement, and then select I accept the licensing terms and conditions check box. Click Next to continue to the next step

ng Files a file: _six_0194_p b file: _six_0194_p		Microsoft SQL Server 2005 Setup
ng Files a File: sk_0134_p roy: c:\eds050552504de		End User License Agreement
	Extracting Files Extracting File: _six_0194_p To Directory: c:\ed5c056343a9d96ccb9c752b04de	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQI SERVER 2005 EXPRESS EDITION SERVICE PACK 3 These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft • updates, • supplements, • Internet-based services, and * support services Image: Internet and conditions

wish to make a change or review your settings

10. Before SQLExpress can be fully installed, there are a number of pre-requisites that need to be in place. When all the necessary pre-requisites have been installed the Next button will be enabled Click this button to continue



 The installer will then scan your computers configuration before showing the Welcome to the Microsoft SQL Server Installation Wizard page appears. Click Next to continue



12. On the System Configuration Check page, the computer is scanned for potential installation problems. If there are any problems you can review the messages prior to continuing the install. To proceed with setup after the scan completes click Next.

6	C	13 Total	0 Error	_	
Success		12 Success	1 Warning	1 Warning	
eta	ails:				
	Action	Status	Message	1	
0	Minimum Hardware Requirement	Success			
0	Pending Reboot Requirement	Success			
0	Default Installation Path Permission Re	Success			
0	Internet Explorer Requirement	Success			
۵	COM Plus Catalog Requirement	Warning	Messages		
0	ASP.Net Version Registration Require	Success			
0	Minimum MDAC Version Requirement	Success			
0	Edition Change Check	Success			

Note:

If any element of the configuration check is flagged as a warning, the installation of SQLExpress can still be completed. Warnings are provided to assist you with any problems that <u>may</u> arise during the installation process and will not halt the installation process altogether

The installation process will now request additional information that you will be required to enter

13. If the Registration Information page is displayed, enter information in the Name and Company text boxes. Ensure the Hide advanced configuration options checkbox is unticked. Click Next to continue.

🗑 Microsoft SQL Server 2005 Express Edition Setup	
Registration Information The following information will personalize your installation.	
The Name field must be filled in prior to proceeding. The Company field is optic	onal.
Ngme:	
Company:	
ABB	
Hide advanced configuration options	
Help Sack Next >	Cancel

 If the Feature Selection page is displayed, select the program features to install and click Next to continue. NB the Database Services feature needs to be installed as a minimum

Select the program features you want installed.	
Click an icon in the following list to change how a feat	ure is installed.
Installation path c:\Program Files\Microsoft SQL Server\	Browse Disk Cost

Note:

There is no Custom Feature Selection page in SQL Server Express Setup. Instead, the *Feature Selection* page lets you select the features that you want to be installed. Expand a feature to view its sub-features by clicking the "+" symbol.



- 15. If the Instance Name page is displayed, select either Default instance or Named instance for your installation.
 - If you select **Default instance**, and you do not have an existing installation of Microsoft SQL Server (known as an Instance) on your machine, then a new default instance of SQL Server will be installed. The name of this default server will be <*Computer Name>*
 - If you select **Default instance**, and you already have an existing installation of Microsoft SQL Server (known as an Instance) on your machine, then this instance will be upgraded.

The name of this default server will be <Computer Name>

• If you select **Named Instance**, you will be required to provide an instance name

The name of this server instance will be **<Computer Name>\<Instance Name>**

Click Next to continue

Instance Name		
Provide a name for the insta Next. To upgrade an existing named instance select Name	ance. For a default installation, click Default instance and g default instance, click Default instance. To upgrade an d instance and specify the instance name.	l click existing
O Default instance		
Named instance		
Named instance SQLExpress		
Named instance SQLExpress		
Named instance SQLExpress To view a list of existing	instances and components click on Installed instances.	
Named instance SQLExpress To view a list of existing	instances and components click on Installed instances.	
Named instance SQLExpress To view a list of existing	instances and components click on Installed instances. Installed instances	

Note:

If the **Installed Instances** button is visible, it can be used to view a list of installed SQL Server instances and components on the computer where SQL Server Express Setup is running. The installed instance details pane will display details for installed instances.



16. If the Service Account page is displayed, ensure the Use the built-in System account radio button is selected and Local system is selected in the adjacent drop down list. Also ensure the SQL Server check box is checked in the Start services at end of setup section. Click Next to continue

Prvice Account	
Service:	SQL Server
• Use the built-in System account	Local system
Use a domain user account	
Username:	
Password:	
Domain:	
Start services at the end of setup	
SQL Server	
SQL Drowser	

17. If the Authentication Mode page is displayed, ensure the Mixed Mode radio button is selected. You will be required to enter and confirm a password for the sa logon (sa is the System Administrator account which has total control over the instance of SQLExpress) Click Next to continue.

elect the authentication mode to use for this installation.	
Windows Authoritistics Mode	
/ windows Addrendcadori Mode	
Mixed Mode (Windows Authentication and SQL Server Authentication))
secify the sa logon password below: Enter password:	
(Methoda Methoda M	
Confirm password:	

Note:	Note:					
Microsof	Microsoft specifies a strong password to have the following qualities					
1.	Strong p	asswords should not use prohibited conditions or terms, including:				
	a.	A blank or NULL condition				
	b.	"Password"				
	C.	"Admin"				
	d.	"Administrator"				
	e.	"sa"				
	f.	"sysadmin"				
2.	A strong	password should not use the following terms associated with the installation computer:				
	a.	The name of the user currently logged onto the computer.				



b. The computer name.
3. A strong password should be at least six characters in length and satisfy at least three of the following
four criteria:
a. It must contain uppercase letters.
b. It must contain lowercase letters.
c. It must contain numbers.
d. It must contain non-alphanumeric characters – e.g., #, %, or ^.
A suitable password would therefore be SQLAdmin2005

18. If the Collation Settings page is displayed, ensure the Collation designator and sort order is checked and the option Latin1_General is selected in the drop down box. Also ensure the Accent – sensitive check box is checked. Click Next to continue

Collation Settings Collation settings define the sorting I	behavior for your server.
ollation settings for service: SQL Serve	r
• Collation designator and sort order	
Latin1_General	
Binary	Binary - code point
Case - sensitive	🗌 Kana - sensitive
Accent - sensitive	Width - sensitive
O SQL collations (used for compatibilit	cy with previous versions of SQL Server)
Binary order based on code point co	mparison, for use with the 850 (Multilingual 🗡
Dictionary order, case-sensitive, for	use with 1252 Character Set.
Dictionary order, case-insensitive, fo Dictionary order, case-insensitive, in	or use with 1252 Character Set.
<	

Note:
If you need to match a collation of an existing SQL Server then you can use this screen to define what collation settings you require

19. If the Configuration Options page is displayed ensure the Enable User Instances check box is checked. Click Next to continue





20. If the Error and Usage Report Setting page is displayed, you can select whether to turn on error reporting and usage reporting for SQL Server and its components. Click Next to continue.



21. When all required information has been collected, the Ready to Install page will appear. Click Install to finish installing SQL Server.

🕞 Microsoft SQL Server 2005 Express Edition Setup	
Ready to Install Setup is ready to begin installation.	
Setup has enough information to start copying the program files. To proceed, clic change any of your installation settings, click Back. To exit setup, click Cancel.	:k Install. To
The following components will be installed: • SQL Server Database Services (Database Services)	
Help Cack Install Co	ancel



22. On the Setup Progress page, you can monitor installation progress as setup proceeds. When this has completed, the Next button will be enabled. Click this button to continue

Product	Status
MSXML6	Setup finished
SQL Setup Support Files	Setup finished
SQL Native Client	Setup finished
SQL VSS Writer	Setup finished
SQL Server Database Services	Configuring components
Status	
Registering type libraries	

23. On the Completing Microsoft SQL Server 2005 Setup page, you can view the setup summary log by clicking the link provided on this page. To complete the SQL Server Installation Wizard, click Finish

Coi S	mpleting Microsoft SQL Server 2005 Setup Setup has finished configuration of Microsoft SQL Server 2005	
Refi setu	er to the setup error logs for information describing any failure(s) that occurre up. Click Finish to exit the installation wizard.	d during
5um	mary Log	
Гог	minimize the server surface area of SQL Server 2005, some features and servi	tes are
disa	abled by default for new installations. To configure the surface area of SQL Ser	ver, use the
disa Surf	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool.	ver, use the
disa Gurf	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool.	ver, use the
disa Gurf Co Ex	ibled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. onfiguring and Managing SQL Server corress	ver, use the
disa Gurf Co Ex	ubled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. onfiguring and Managing SQL Server Grotes For improved manageability and security. SQL	ver, use the
disa Gurf Co Ex	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. onfiguring and Managing SQL Server opress For improved manageability and security, SQL Server 2005 provides more control over the SQL	ver, use the
disa Gurf Co Ex	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. onfiguring and Managing SQL Server offers For improved manageability and security, SQL Server 2005 provides more control over the SQL Server 2005 provides more control over the SQL	ver, use the
disa <u>Surf</u> Ca E×	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. on figuring and Managing SQL Server (press For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default	ver, use the
disa Gurf Co Ex	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. onfiguring and Managing SQL Server opress For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your	ver, use the
disa Gurf Ca Ex	bled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. Infiguring and Managing SQL Server opress For improved manageability and security. SQL Server 2005 provides more control over the SQL Server 2005 provides more control over the SQL Server surface area any our system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server:	ver, use the
Gurf Ca Ex	bibled by default for new installations. To configure the surface area of SQL Ser face Area Configuration tool. Infiguring and Managing SQL Server cortess For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server: 0. TCP/IP connections are disabled	ver, use the

6.2 Installing TRAC Server (MSDE2000)

1. From the Install MSDE – TRAC Server screen, click Install MSDE 2000 – TRAC Server



 Once the installation program has been launched, the following window appears. The installation takes several minutes. Please be patient and wait for the final message in the command window 'Please press any key, then close this window'. This message confirms that MSDE has installed successfully.



The installation process will set up a password for the **sa** (System Administrator) account. The password is **admin**. Please remember this password as it will be required when you create your first TRAC database



7. Starting the TRAC Server

7.1 Starting TRAC Server (SQLExpress)

1. Using the Windows Start button, launch the SQL Server Configuration Manager

1	Programs •	ABB Applications	
	Documents +	Administrative Tools	
2	Settings	Components	
P	Search +	Games	•
0	Help and Support	m Help McAfee	> >
e	Run	McAfee Security Scan Plus	
\mathbb{P}	Log Off gbchtho1	Microsoft	
	Shut Down	Microsoft SQL Server 2005	Configuration Tools
🔰 sta	nt 🤌 🕲 🔍 🔴 🕸	Startup	SQL Server Error and Usage Keporting

If you cannot locate this option through your start menu, then you need to look for the file **SQLServerManager.msc** (normally located in your Windows System32 folder). Double click on the file to launch the Configuration Manager

2. The SQL Server Configuration Manager allows you to configure SQL Server services and configure network connectivity. In the left hand pane of the manager window, select the option SQL Server 2005 Services. The right hand pane of the window will then update itself, showing all SQL Server installations on your computer. Right mouse click on the required server in this window. From the pop-up menu that is displayed, you can select the option to Start the server

File Action View Help					
← → 🗈 🖀 😫 😰 🕒 🖲 🥯					
😫 SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Pr
나 Sol, Derver 2005 Services 나 Sol, Configuration 문 호 Sol, Native Client Configuration 문 호 Sol, Native Client Configuration	한 50, Server FullText Search (SQL2005) 한 50, Server (MSDE2005) 한 50, Server (SQL2005) 한 50, Server Apant (SQL2005) 한 50, Server Rowser 탄 50, Server Rowser	Running Running Stopped Running Stonped Store Stop Pause Resume Restart	Automatic Automatic Automatic Manual Automatic Automatic	LocalSystem LocalSystem LocalSystem NT AUTHORTY/NetworkService LocalSystem	20 26 30 0 17 0
		Properties			
		Help			

7.2 Starting TRAC Server (MSDE2000)

To determine if the TRAC Server (MSDE2000) is running, look for the Server icon in the Windows Taskbar Tray (right hand section of the Taskbar



1. Double click on the icon to launch the SQL Server Manager

If this icon cannot be found in the Taskbar Tray, then locate and launch (double click) the following file

Installation	Location\Filename
MSDE2000	C:\Program Files\Microsoft SQL Server\80\Tools\Binn \sqlmangr.exe

If you cannot locate any of the Location\Filenames specified above, then use Windows Explorer to search for a file named *sqlmangr.exe.* When found, launch it.

2. When the SQL Server Service Manager appears, select the required **Server** from the list and ensure the **Service** is set as **SQL Server**. If the **Start/Continue** button is enabled, click it to start the Server running.

If you ensure the **Auto-start service when OS starts** checkbox is ticked, then the Server will automatically start whenever you start your PC



When the server is running you can then close the SQL Server Service Manager window



8. Licensing TRAC

TRAC is a licensed software product. Your TRAC installation will need to be registered with ABB.

1. Launch the TRAC software from the **Start Menu** for the first time by selecting **Programs\ABB Eutech\TRAC<version>**

The following dialogues will appear on the first time that TRAC is launched only. Please click $\ensuremath{\text{Yes}}$



You will be requested to restart TRAC in order for these new settings to take effect. Click **OK** to close down TRAC



When you re-launch TRAC, the following dialogue will appear. Ensure the **Always trust files from this publisher and open them automatically** is ticked and click the **Open** button





The TRAC Navigator form will then appear

🗟 TRAC - Disconnecte	ed - [TRAC Navigator]		
Ele Tables Admin	<u>W</u> indow <u>H</u> elp		_ & ×
	Server: Not connected	Help Open	
~~/	User: Unknown	Max Tol Risk Loop Library	
	For support contact ABB: Tel: +44 (0)1925 741126 E-mail: trac@gb.abb.com	Safety Function Report Exit	
	(~-/••)		
Version : 3.8 (46) EXPIRED @ A88 2002-2010	TRAC Trip Requirement and Ava in accordance with IEC 61	aliability Calculator	B
Form View			NUM

2. From this Navigator, select the Menu option to open the Licence form (Help ► License)

<u>File Tables A</u> dmin	<u>W</u> indow <u>H</u>	elp	
1		License	Help
1	Ser	About Microsoft Access	Open
1 12	Databa	About TRAC	Organisation
- Carlos	Lloor	- University	Max Tol Risk
	User	. OIRHOWH	Loop Library

3. The Software License Registration form should now appear.

Application Name	ABB TRAC	Instructions
Serial Number	_ 14677005	1 <u>E-mail</u> ABB for an unlock code,
License Status	EXPIRED	or
Level	0	Ring ABB (01642) 372322
Remaining		Give person Application Name and Serial Number
Unlock Type	FULL	 2 Select the unlock type and enter the unlock code you are given by return e-mail or phone
Unlock Code		3 Store License
Unlock Type Unlock Code		 code you are given by return e-mail or ph 3 Store License



4. Please E-mail ABB using the button on the licensing form. This will send a message to the TRAC Help Desk (using your e-mail software) giving details of your serial number.

		Instructions
Application Name	ABB_TRAC	
Serial Number	14677005	1 E-mail ABB for an unlock code,
License Status	EXPIRED	or
Level	0	Ring ABB (01642) 372322
Remaining		Give person Application Name and Serial Number
Unlock Type	FULL	 2 Select the unlock type and enter the unlock code you are given by return e-mail or phone
Unlock Code		3 Store License
	1	

5. An Unlock code will then be sent to you by e-mail. When you receive the Unlock code, select the type of license from the Unlock Type box, in this case EVALUATION (or FULL)

Application Name Serial Number License Status Level Remaining	ABB_TRAC 14677005 EXPIRED 0	ABB for an unlock code, or Ring ABB (01642) 372322 Give person Application Name and Serial Number
Unlock Type Unlock Code	FULL	2 Select the unlock type and enter the unlock type and enter the unlock type and enter the unlock of the unlock type and enter type an
Store License	Cancel	3 Store License

6. Type in the Unlock code and Click 'Store'

Application Name	ABB_TRAC	Instructions
Serial Number	14677005	1 <u>E-mail</u> ABB for an unlock code,
License Status	EXPIRED	or Ring ABB (01642) 372322
Remaining	U	Give person Application Name and Serial Number
Unlock Type Unlock Code 🛛 🌔	FULL	2 Select the unlock type and enter the unlock code you are given by return e-mail or phone 3 Store License

If the unlock code is successful you will be returned to the TRAC Navigator screen which will be updated to show that the product is licensed

🔄 Eile Tables Ad	min <u>W</u> indow <u>H</u> elp		
1			Help
	Server : Not connected	Γ	Open
	Database : None		Organisation
- 6/	User: Unknown		Max Tol Risk Loop Library
	For support contact ABB: Tel: +44 (0)1925 741126 E-mail: trac@gb.abb.com		Safety Function Report Exit
	[+-/•		
Version : 3.6 (45) LICENSED © ABB 2002-2010	∣ TRAC Trip Requirement and in accordance with IE⊧	Availability C: C 61508 & IEC	alculator ABB : 61511

9. Creating your first TRAC database

When you have licensed TRAC, you can now create a new database.

1. From the TRAC Navigator, select the menu option File ► Database ► New



2. This will launch the Create New Database form. Please enter the required details and click the **Create** button. The Login Name will be **sa** and the password will be dependent on what version of the TRAC server you installed.

If you installed MSDE2000 then the password will be **admin** If you installed SQLExpress then the password will be the one you specified during the SQLExpress installation process

Jse Default Database Server on	this computer:	Server <u>N</u> ame:	GB-L-4410001344\sql2000	Create
Login Name (<u>U</u> ser):	sa			Cancel
<u>P</u> assword:				
Name of New Database:	TRAC test upgrade			
Use Standar	d Database Location (reco	mmended): 🔽	1	

3. The following dialogue box will then appear. Select the required database type and click **'OK**'

TRAC	C: Cho	ose Database Type	
0 1 2		EVAL STD BP	OK Cancel
Ente creal	r the nui te.	mber for the database type you wan	t to
0			

Note your TRAC license type will determine which database(s) you are able to create



4. TRAC now confirms that the login names have been created. Make a note of the new login names and password as these will be used to control access to your TRAC database. Click '**OK**'

TRAC	
į	The following logins (user names) have been created: TracOwner TracUser TracReader The password for each of these is Tr-1234. You are strongly recommended to change these passwords to protect your database from unauthorised access.



10. Opening a TRAC database

After you have created a TRAC database, you can then open it.

1. From the TRAC Navigator, select the menu option Open

TRAC - Disconnected	- [TRAC Navigator]	
🔝 Elle Tables Admin	Window Help	- 8
	Server: Not connected Tele Database: None User: Unknown User: Unknown For support contact ABB: Tele +4 (0)1925 741126 Exemati Exemption abc com Exempt	
Varsin: 3.8 (45) LICENSED @ ABS 2102-2010	TRAC Trip Requirement and Availability Calculator	
	In accordance with IEC 61508 & IEC 61511	
Form Wew		N.M.

2. When you open your very first TRAC database, the following dialogue may appear. If you accept the license conditions, please click 'Yes'

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he Licensee for any indirect or consequential loss or damage whatsoever and howsoever
itions?
Yes No
t

Т

3. The Open Database dialog will be displayed. Enter the required details and click the **Open** button. The Login name could either be **sa**, or one of the Trac logins that were created when you first created a database. If the **Database Name** field on the form is empty, you can click on the **Get Database List** button which will fetch all the TRAC databases on the specified **Server Name**

e Default Database Server o	n this computer: Server <u>Name</u> : TestMachine	(Open
Login Name (<u>U</u> ser)	: sa	Cancel
<u>P</u> assword	· ******	1.1=1=
<u>D</u> atabase Name	: 🔽 < <u>G</u> et Database List	Help
		Change
		auto- backup
		backap

On the first occasion that you open a new database, you are invited to set the automatic backup feature. Either browse to your chosen backup location, or enter '(none)' in the text field and click '**OK**' to disable this feature

Please define a folder must alre packup will be p quotes) no aut not appear aga	i folder for the aut ady exist. If you performed this time omatic backup will ain.	omatic backup of leave this blank, a. If you enter '(i be performed, ar	this database. The no automatic none)' (without the nd this prompt will	Cancel

If no location is specified and the '(**none**)' option is not defined, then this form will appear every time the database is opened

4. TRAC will now return to the TRAC Navigator and will enable all additional menu options

<u>File Tables Ad</u>	Window Help	Help
	Server; GB-L-4410001344\sql2000	Open Organisation
XX	Functions User: sa	Max Tol Risk Loop Library Safety Function
	For support contact ABB' Tel: +44 (0)1925 741126 E-mail: trac@gb.abb.com	Exit
ion : 3.8 (45) ENSED BB 2002-2010	│ TRAC Trip Requirement and Availability (in accordance with JEC 61508 & IE	Calculator ABB