An ECONOLITE Group Company



Advanced Transportation Management System

Installation Procedures

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Preface

CentracsTM is a true client-server application. The server side maintains the database, performs device communications, performs periodic functions, etc. The *client* is the component that provides the user interface. Centracs can be set up with all components on a single computer or can be distributed across several separate servers and multiple client workstations. The client-to-server communication is very efficient, even across a wide-area network.

The software installation procedures in this manual are given in separate chapters:

- 1. Centracs Core Server Install
- 2. Centracs NTCIP Communication Server Install
- 3. Centracs NTCIP Client Workstation Install

Prerequisites

To install and uninstall software, you must be logged into Windows[®] with administrative privileges or with the correct permissions set. If necessary, contact your IT/IS department.

Before setup, make sure that Microsoft[®] .NET Framework 3.5 Service Pack 1 is installed¹.

Notes

- If all Microsoft updates have already been installed, then Microsoft .NET Framework 3.5 SP1 is included.
- To download and install Microsoft .NET Framework 3.5 SP1, you must have an Internet connection.

More Information about Centracs

For more information, call or email Econolite Technical Support: 800-225-6480 / support@econolite.com

Our website: <u>www.econolite.com</u>

To access the Econolite Technical Support website, go to <u>http://techsupport.econolite.com/</u> and register.

¹ If you were to start the setup without Microsoft .NET Framework 3.5 SP1 installed, the InstallShield[®]:

^{1.} Would attempt to download it from Microsoft.

^{2.} After the download, would require a restart of the workstation before it continued with the Centracs install.

This page is intentionally left blank.

1. Centracs Core Server Install

Start

- 1. Insert Centracs Installation CD into the workstation CD-ROM Drive or locate the *Centracs* install directory on the server and copy over to local workstation.
- 2. Location: <Centracs_Server>\!\Installed\Centracs 1.3.x.xxxx xxxxxx xxxx
- 3. In DiskImages\DISK1\ double click on "Centracs 1.3.x.xxxx xxxxxx xxxx.exe."
- 4. This will start the *Centracs* InstallShield[®] Wizard that will install *Centracs* on your computer.
- 5. To continue, click Next>.

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21000	ring to Install				
пера	nng to mstail.				Cancel
					Cancer



License Agreement



- 6. To read the rest of the agreement, press Page Down.
- 7. To continue to install Centracs, click Yes

Destination Folder

Centracs - InstallShield Wizard				×
Choose Destination Location Select folder where setup will install I	iles.			
	Setup will install Centracs i To install to this folder, clic folder.	n the following folde k Next. To install to	r. a different folder, click Brow	vse and select another
	Destination Folder C:\Program Files (x86)\E	conolite\Centracs\	:	B <u>r</u> owse
InstallShield		< <u>B</u> ack	Next >	Cancel

- 8. Select the destination folder to install *Centracs*:
 - To install in the default folder

C:\Program Files\Econolite\Centracs\,

click $\underline{N}ext >$.

• To install in a different folder, click $\underline{\text{Browse}}$, select that folder, then click $\underline{\text{Next}}$.

Select Features



- 9. As shown in the screen on the subsequent page:
 - Deselect:
 - □ Centracs Client Workstation
 - □ Communications Server Applications
 - Select:
 - Centracs Main Server
 - ☑ Database Server Applications
 - ☑ Centracs Map Server



10. Next to "Database Server Applications," click +.



- 11. Make sure that "Reports" is selected, as shown above.
- 12. Click Next>.

Database Server Login

Centracs - InstallShield Wizard		X			
Database Server Login	Norther worth and				
Select uatabase server and authen	acauon memou				
	Connection Name:				
	Database server that you are installing to:				
	CATMSFS				
		B <u>r</u> owse			
	Connect using:				
	Windows authentication				
	SQL Server authentication using Login ID and password below				
	Login ID:				
	Password:				
-	Name of database catalog:				
		Br <u>o</u> wse			
InstallShield	< <u>B</u> ack <u>N</u> ext >	Cancel			

- 13. Under "Connection Name:" in the field "Database server that you are installing to," browse to or enter the name of the SQL Server 2008 instance.
- 14. Click on the radio button for "SQL Server authentication using Login ID and password below."
 - Make sure the "Login ID" is correct.
 - Enter the "<u>P</u>assword."
- 15. For "Name of database catalog," leave the field blank.

16. Click Next>

Start Installation



17. Click on the applicable button:

- To review or change the installation settings, click $\leq \underline{B}ack$.
- To start the installation, click Install.
- To exit the wizard, click Cancel.



Restart Computer to Initialize Files



18. Click on the applicable radio button:

-or-

- Yes, I want to restart my computer now.
- No, I will restart my computer later (necessary for system files to correctly initialize).

21 July 2010

19. Click Finish.

2. Centracs NTCIP Communication Server Install

Start

- 1. Insert Centracs Installation CD into the workstation CD-ROM Drive or locate the *Centracs* install directory on the server and copy over to local workstation.
- 2. Location: <Centracs_Server>\!\Installed\Centracs 1.x.x.xxxx xxxxxx xxxx
- 3. In DiskImages\DISK1\ double click on "Centracs 1.x.x.xxxx xxxxxx xxxx.exe."
- 4. This will start the *Centracs* InstallShield[®] Wizard that will install *Centracs* on your computer.
- 5. To continue, click Next>.

ٹ	Centracs Se guide you th	etup is preparin hrough the pro	ig the InstallSh gram setup pro	ield Wizard, cess. Plea:	which will se wait.
) on a	ring to Install				
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-					Caricei



License Agreement



- 6. To read the rest of the agreement, press Page Down
- 7. To continue to install *Centracs*, click Yes.

Destination Folder

Centracs - InstallShield Wizard				×
Choose Destination Location Select folder where setup will install f	iles.			
	Setup will install Centracs in To install to this folder, clict folder.	n the following folde < Next. To install to	त. a different folder, click Brow	ise and select another
	Destination Folder C:\Program Files (x86)\E	conolite\Centracs\	ŝ	B <u>r</u> owse
InstallShield		< <u>B</u> ack	Next >	Cancel

- 8. Select the destination folder to install *Centracs*:
 - To install in the default folder

C:\Program Files\Econolite\Centracs\,

click $\underline{N}ext >$.

• To install in a different folder, click $\underline{Browse...}$, select that folder, then click $\underline{Next} >$.

Select Features



- 9. As shown in the screen on the subsequent page:
 - Deselect:
 - □ Centracs Client Workstation
 - □ Centracs Main Server
 - \Box Database Server Applications
 - □ Centracs Map Server
 - Select:
 - ☑ Communications Server Applications



10. Next to "Communications Server Applications," click +.



- 11. As shown in the screen above:
 - Select:

☑ Communications Servers

- ☑ NTCIP Device Manger
- Deselect:
 - □ ACT Device Manager

12. Click <u>N</u>ext>.

Start Installation



- 13. Click on the applicable button:
 - To review or change the installation settings, click $<\underline{B}ack$.
 - To start the installation, click Install.
 - To exit the wizard, click Cancel.



Restart Computer to Initialize Files



14. Click on the applicable radio button:

- Yes, I want to restart my computer now. -or-
- No, I will restart my computer later (necessary for system files to correctly initialize).

15. Click Finish.

This page is intentionally left blank.

Start

- 1. Insert Centracs Installation CD into the workstation CD-ROM Drive or locate the *Centracs* install directory on the server and copy over to local workstation.
- 2. Location: <Centracs_Server>\!\Installed\Centracs 1.x.x.xxxx xxxxxx xxxx
- 3. In DiskImages\DISK1\ double click on "Centracs 1.x.x.xxxx xxxxxx xxxx.exe."
- 4. This will start the *Centracs* InstallShield[®] Wizard that will install *Centracs* on your computer.
- 5. To continue, click Next>.

ئ	Centracs S	etup is preparii brough the pro	ng the InstallShi aram setup proj	ield Wizard, cess - Pleas	which will e wait
	galao you i	in congression pro	gram corap pro-		e rran.
Prepa	iring to Install.				
					Cancel



License Agreement



- 6. To read the rest of the agreement, press Page Down
- 7. To continue to install *Centracs*, click Yes.

Destination Folder

Centracs - InstallShield Wizard				×
Choose Destination Location Select folder where setup will install f	iles.			
	Setup will install Centracs i To install to this folder, clic folder. Destination Folder C:\Program Files (x86)\E	n the following fold k Next. To install t conolite\Centracs	fer. o a different folder, click Brov	wse and select another
InstallShield		< <u>B</u> ack	Next >	Cancel

- 8. Select the destination folder to install *Centracs*:
 - To install in the default folder

C:\Program Files\Econolite\Centracs\,

click $\underline{N}ext >$.

• To install in a different folder, click $\underline{\text{Browse}}$, select that folder, then click $\underline{\text{Next}}$.

Select Features



- 9. As shown in the screen on the subsequent page:
 - Select:

☑ Centracs Client Workstation

- Deselect:
 - Centracs Main Server
 - □ Communications Server Applications
 - □ Database Server Applications
 - \Box Centracs Map Server



10. Next to "Centracs Client Workstation," click +.

- 11. As shown in the screen on the subsequent page:
 - Deselect:
 - $\hfill\square$ W4 and Oasis Editors
 - □ Eagle EPAC Editor
 - Select:
 - \blacksquare ASC/2 and ASC/3 Editors
- 12. Click <u>N</u>ext>

Start Installation

13. Click on the applicable button:

- To review or change the installation settings, click $\leq \underline{B}ack$.
- To start the installation, click Install.
- To exit the wizard, click Cancel.

Restart Computer to Initialize Files

14. Click on the applicable radio button:

-or-

- Yes, I want to restart my computer now.
- No, I will restart my computer later (necessary for system files to correctly initialize).

15. Click Finish

Show File Extensions

To show file extensions:

- 1. Go to Windows Explorer.
- 2. Click **Tools > Folder Options...**

🔄 CentracsClient		
File Edit View Favorites	Tools Help	
🕞 Back 🔹 🕥 👻 🍃	Map Network Drive Disconnect Network Drive	
Address 💼 <u>C:\Program Files\Ec</u>	Synchronize	
Folders	Folder Options	

- 3. Click the "View" tab:
- 4. Deselect "Hide extensions for known types."
- 5. Click OK.

Folder Options
General View File Types Offline Files
Folder views You can apply the view (such as Details or Tiles) that you are using for this folder to all folders. Apply to All Folders <u>R</u> eset All Folders
Advanced settings:
 Automatically search for network folders and printers Display file size information in folder tips Display simple folder view in Explorer's Folders list Display the contents of system folders Display the full path in the address bar Display the full path in the didress bar Do not cache thumbnails Hidden files and folders Show hidden files and folders Show hidden files and folders Hide extensions for known file types Hide protected operating system files (Recommended)
Restore Defaults
OK Cancel Apply

Configure Centracs.exe.config

🔄 CentracsClient						_ 🗆 🗙	
Eile Edit View Favorites Iools Help							
🚱 Back 🔹 🌍 🖌 🏂 Search 🌮 Folders 🛄 •							
Address 🛅 C:\Program Files\Econolite\Centracs\CentracsClient					-	🔁 Go	
Folders ×	Name 🔺	Size	File Version	Туре	Date Modified		
E C Program Files	A×Interop.QTOControlLib.dll	28 KB	1.0.0.0	Applica	7/21/2009 2:59 PM		
	🔊 borindmm.dli	24 KB	4.0.14.4	Applica	7/21/2009 2:59 PM		
🗄 🦲 Apple Software Undate	🔗 centracs.chm	5,264 KB		Compile	7/21/2009 3:00 PM		
Avis Communications	Centracs.exe	1,868 KB	1.1.8.5003	Applica	7/21/2009 3:00 PM		
Bopiour	Centracs.exe.config	3 KB		CONFI	7/21/2009 2:59 PM		
Cairo	🔊 clsCenGenCtrlForms.dll	3,220 KB	5.0.0.5	Applica	7/21/2009 2:59 PM		
	🔊 clsCSConstantsCentracs.dll	220 KB	5.0.0.5	Applica	7/21/2009 2:59 PM		
E Coconor	🔊 clsErrorHandlerCentracs.dll	24 KB	5.0.0.6	Applica	7/21/2009 2:59 PM		
	SigenControllerCentracs.dll	32 KB	5.0.0.5	Applica	7/21/2009 2:59 PM	-	
Type: CONFIG File Date Modified: 7/21/2009 2:59 PM Size: 2.16 KB				2.16 KB	😼 My Computer		

- 1. Browse to "C:\Program Files\Econolite\Centracs\CentracsClient"
- 2. Right click on "Centracs.exe.config"
- 3. Open with Notepad.
- 4. Locate "300" in "<value>300</value>" as shown below.

Centracs.exe.config - Notepad	
<u>File Edit Format View H</u> elp	
 <applicationsettings> <econolite.genesis.properties.settings> <setting <br="" name="UseAutoDiscovery" serializeas="String"><value>True</value> </setting> <setting name="HelpLocation" serializeas="String"> <value> </value></setting> <setting coreconnecttimeout"="" corelocations"="" name="CoreConnectTimeout" serializeas="Xml"> <value>SOO</value> </setting> <setting name="CoreLocations" serializeas="Xml"> <value> </value></setting> <setting name="CoreLocations" serializeas="Xml"> <value> </value></setting> <setting name="CoreLocations" serializeas="Xml"> <value> </value></setting> </econolite.genesis.properties.settings></applicationsettings> 	'> ng"> ema">

5. Change to "3000" as shown below.

	Cen	tracs.ex	e.config	Notepad	
Ei	e <u>E</u>	dit F <u>o</u> rm	at <u>V</u> iew	Help	
Г		<th>ectio</th> <th>Group></th> <th></th>	ectio	Group>	
	<	annlic	gsect	ons> ettings>	
		EC	onoli	e.Genesis.Properties.Settings>	
	<setting name="UseAutoDiscovery" serializeas="String"></setting>				
	<pre><setting name="HelpLocation" serializeas="String"></setting></pre>				
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×n	ilns	:xsi="	http:	/www.w3.org/2001/XMLSchema-instance"	
				xmins:xsd="http://www.w3.org/2001/ /stringslocalbost:81//strings	XMLSchema">
				/value>	
		<td><td>te.Genesis.Properties.Settings></td><td></td></td>	<td>te.Genesis.Properties.Settings></td> <td></td>	te.Genesis.Properties.Settings>	
	<	:∕appĺi	catio	iSettings>	
	<	userse	tting	>	-

- 6. Locate "<string>localhost:81</string>"
- 7. Change to "<string>Your_Core_Server_Name_or_IP_Address:81</string>"
- 8. Click **File > Save**
- 9. Close "Centracs.exe.config"
- 10. Close Windows Explorer.

Run Centracs

1. On the Desktop, double click on the Centracs shortcut,

CE	NTRACS
Advanced Tra User Name:	Insportation Management System
rassword.	Log In Close Powered by ECONOLITE

- 2. Enter User Name.
- 3. Enter Password.
- 4. Click Log In.

Notes

- When *Centracs* Core Server updates have been installed, *Centracs* Client Workstation will automatically update from the *Centracs* Core Server.
- After login, *Centracs* Client Workstation compares its version with the version of the *Centracs* Core Server. If the versions are not the same, the server gives you the option to update:
 - If you select "Yes," the latest version of *Centracs* is transferred to the *Centracs* Client Workstation and installed.
 - If you select "No," the *Centracs* Client Workstation software will not connect to the *Centracs* Core Server until you accept to install the update capability.