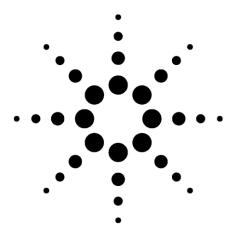
# Remote Advisor for MP-AES



Agilent Technologies Remote Advisor for MP-AES Guide

For Software	A.02.09 SP1
Version	

### In this Installation Guide

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This Remote Advisor Installation for MPEAS Guide is the written instruction to install and configure Remote Advisor onto the same PC as MP Expert and to install a dedicated Gateway when more than one MP-AES is installed in a laboratory or location. The Remote Advisor Installation for MP-AES Guide is written in the optimal order for a successful installation.

For support of Remote Advisor and to report any corrections and suggestions to improve this Installation Guide, please email <a href="mailto:fsg-ra-services@agilent.com">fsg-ra-services@agilent.com</a>

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# **Revision History**

# **REVISION HISTORY**

Revision RA-MP-001

Date April 2014Changes Initial Release

### Introduction:

This Remote Advisor Installation Guide for MP-AES is intended to be used for the installation and configuration of Remote Advisor Gateway and Data Source installed on the same PC as MP Expert.

Remote Advisor is installed to enable the customer to initiate a service request to Agilent using Remote Assist. Remote Advisor provides Agilent the ability to remotely troubleshoot and diagnose the MP-AES using data items and events collected at the Enterprise server and through Remote Collaboration.

Remote Advisor Gateway and Data Source are two components of Remote Advisor that are located at the same site as the instrument being monitored.

#### 1.1 Remote Advisor Data Source

Remote Advisor Data Source software collects statistical data from analytical instruments. MP Expert creates an XML file for the Data Source to parse and send the data to the Remote Advisor Gateway. The Data Source software must coexist on the same PC with MP Expert to be able to parse the XML file created by MP Expert. The Data Source is also the customer interface to Remote Advisor, used to originate a Remote Assist and is also the conduit for Remote Collaboration. Remote Assist enables the customer to originate a request for service without needing to call the Agilent Customer Contact Center.

### 1.2 Remote Advisor Gateway

The Remote Advisor Gateway software maintains a secure, firewall friendly, connection to the Remote Advisor Enterprise server inside the Agilent DMZ. Instrument statistics received from the Data Source are forwarded by the Gateway securely through the Internet to the Enterprise server.

Gateway software is typically installed on a PC separate from the Data Sources when multiple instruments are connected in a single laboratory or location. MP-AES installations usually consist of single instrument installation. Therefore, installing the Gateway and Data Source together on the same PC with MP Expert is the most efficient installation method.

### 1.2.1 Proxy Servers

Proxy servers are used by some corporations to monitor and control Internet communications. Remote Advisor can be configured to use a proxy server during the installation of the Remote Advisor Gateway software. Proxy server information should be obtained from the customer IT department before installing the Gateway software.

Proxy information can also be obtained from the communication setting used in Internet Explorer or other web browser used on a PC on the customer network.

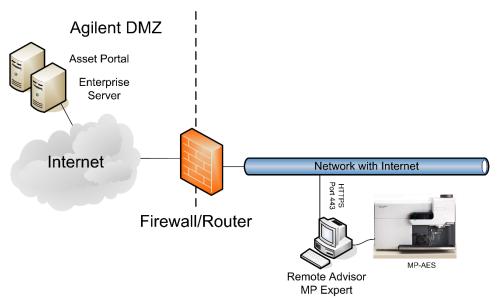


Figure 1

Figure1 illustrates a typical Remote Advisor installation for MP-AES.

- MP Expert installed on the PC connects to the MP-AES with a USB cable
- The PC connects to the Network with Internet
- Remote Advisor Data Source installed on the MP Expert PC parses XML files created by MP Expert and passes the data to the Remote Advisor Gateway
- Remote Advisor Gateway communicates through the network and Internet using secure port 443 encrypting all data sent to the Enterprise server

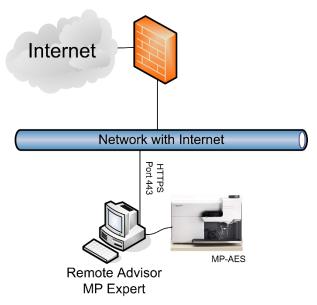
# 2 MP-AES Installation Types

# 2.1 Single MP-AES Installation

MP-AES systems are installed in locations where only one MP-AES system is installed. The installation of the Remote Advisor Gateway and Data Source onto the MP Expert PC offers the benefits of Remote Assist, remote diagnostics, and troubleshooting without the need of a separate PC for the Remote Advisor Gateway.

Remote Advisor Gateway and Data Source software are installed on the MP Expert PC. Log files created by MP Expert are parsed by the Data Source and information is passed to the Gateway. The Gateway sends MP-AES statistic data securely through the Internet to the Remote Advisor Enterprise server.

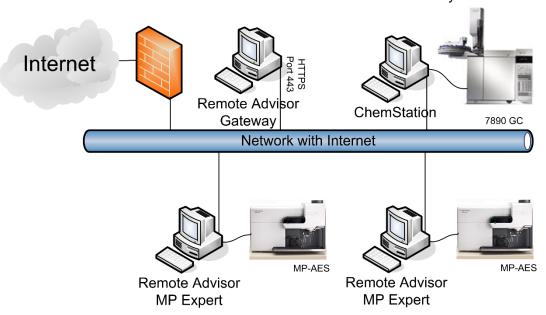
The installation of Remote Advisor requires the MP-Expert PC to connect to a network with Internet. The connection to the Internet must be maintained for Remote Advisor to collect utilization and static data and that the connection is available when needed for Remote Assist.



### 2.2 Multiple MP-AES Installations

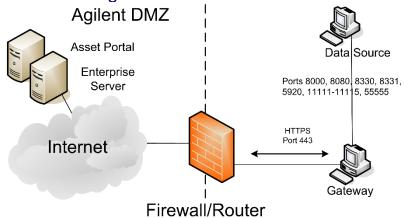
Multiple MP-AES systems may be installed in one laboratory or location along with other Agilent instruments. One dedicated Remote Advisor Gateway is the preferred configuration for a multiple instrument installation.

Data Source software is installed on each of the MP-Expert PCs controlling MP-AES and on other acquisition systems controlling Agilent instruments. Each Data Source PC connects to the network to forward instrument data to the Gateway.



The installation of Remote Advisor with multiple Data Source and one Gateway utilizes a number of TCP ports for communications. Network Port Usage on the next page lists the ports used and application associated with the ports. These ports must be opened in any network component or firewall separating the Gateway and Data Source.

# 2.3 Network Port Usage



Ostavis La Fatara					
Gateway to Enterprise					
	ΓCP: Source port = https (443)				
Gateway to Data S	Gateway to Data Source				
Source Port		Process Owner	or Action		
TCP: Source port =	8080	Tomcat.exe			
TCP: Source port =	P: Source port = 8000		AlService.exe		
TCP: Source port = 8330		Remote Advisor Scripts			
TCP: Source port = 8331		Remote Advisor Scripts			
TCP: Source port = 5920		AxedaDesktopServer.exe			
TCP: Source port = 11111		Networkhelper.exe			
TCP: Source port =	= 55555	Networkhelper.exe			
Listening Ports					
Device Listening	Process Owner or Actions		Ports		
Gateway	Axeda Desktop Server.exe		5820. 5920, 8330, 8331		
Gateway	Network Helper.exe		49552, 55555, 55556		
Gateway	Tomcat5.exe		5001, 8000, 8005, 8009, 9170, 9176		
Gateway	Xgate.exe		8443, 3011, 3030, 8080		
Data Source	AlService.exe		11111, 11112		
Data Source	Axeda Desktop Server.exe		5820, 5920		

# 2.4 Customer Requirements

Requirements	Description/Comment			
Gateway to Enterprise Internet Communications	Internet access is required for the Gateway to communicate to the Agilent Remote Advisor Enterprise Server. The Gateway will communicate through the proxy server, modifications to the firewall are usually not necessary.  Firewall filters for the Gateway to communicate to the Enterprise can be opened for the Gateway to communicate to two URLs. http://remoteadvisor.chem.agilent.com and http://intelligentservices.chem.agilent.com using Outbound Port: HTTPS Port 443			
Administrator Privileges	Local Administrator logon privileges are required for the installation of Agilent Remote Advisor Data Source and Gateway software.			
Proxy Server information	Proxy Server configuration information required to install Remote Advisor is similar to the information used to configure Internet Explorer.  Internet Explorer.  Internet Options  Local Area Network (LAN) Settings will not apply to dial-up or VPN connections). Address: Proxy server Local Area Network (LAN) settings			

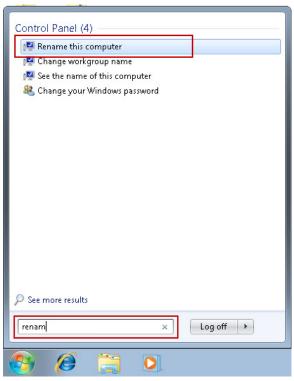
### **Pre-Installation Requirements**

### 3 Pre-Installation Requirements

This section describes the prerequisites needed for a successful installation of Remote Advisor.

### 3.1 PC Name

 Verify that the PC has a unique Computer Name to avoid duplicate names of PCs deployed to the Enterprise server. Avoid using Agilent, RA, or gateway in the PC name.



- Select the Windows Start button
- Type Rename in the Search section
- Double click Rename this computer > System Properties opens
- Proceed with onscreen instructions from Windows

#### 3.2 Internet Access

Remote Advisor requires access to the Internet. Remote Advisor sends instrument statistic information to the Remote Advisor Enterprise server over the Internet.

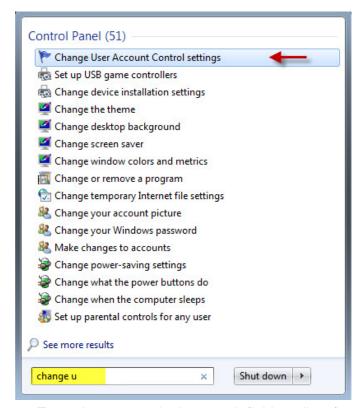
 Verify that the Gateway can access http://RemoteAdvisor.chem.agilent.com with Internet Explorer

### **Pre-Installation Requirements**

### 3.3 Change User Account Control to Never Notify

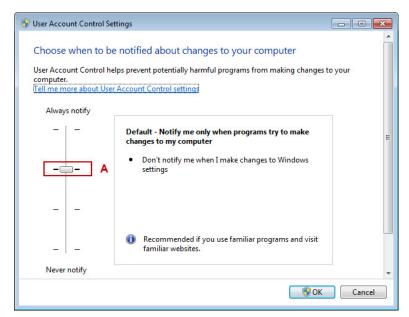
\*\*IMPORTANT\*\* User Account Control (UAC) notifies the user before changes are made to the computer that require administrator-level permissions. The default setting may interfere with the installation of all software components for Remote Advisor. It is highly recommended to turn the UAC to the Never Notify Position to avoid improper installation of Remote Advisor software components.

Select the Windows Start button

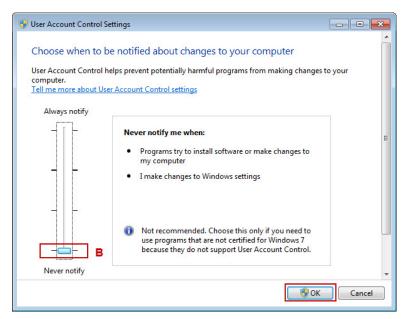


- Type change user in the search field > a list of commands will display as you type
- Select Change User Account Control Settings > User Account Control Settings window displays

# **Pre-Installation Requirements**



Move the slide control from the current position A to Never notify position B



- Select the OK button
- Restart the computer for the changes to take effect

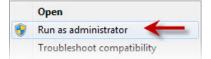
\*\*\*Important\*\*\* Return the Never Notify slider to position A and select the OK button after the installation of the Remote Advisor Gateway and Data Source is complete.

### 4 Gateway Software Installation

This section installs the Remote Advisor Gateway software. The Gateway Installer installs the following software components; Axeda Deployment Utility, Axeda Policy Server, Axeda Desktop Server, and Remote Advisor Gateway.

- Install the Remote Advisor Installation DVD in the optical drive.
- Browse the DVD to the :\Gateway Installer folder
- \*\*\*IMPORTANT\*\*\*

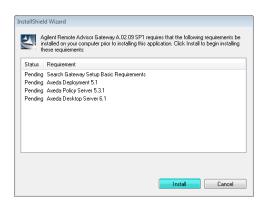
Right click AgilentGateway.exe Select Run as Administrator



Install Shield Wizard opens

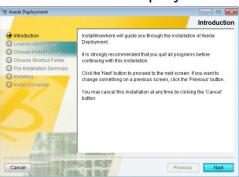
### 4.1 Gateway Software Installer

\*\*\*IMPORTANT\*\*\* Default values are used for all installation windows except where highlighted. Screen captures with the default action are captured below.

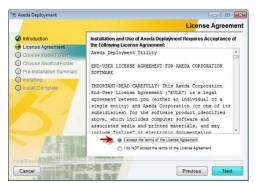


Select the Install button

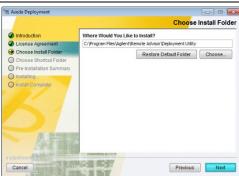




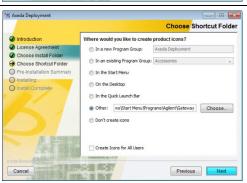
Select the Next Button



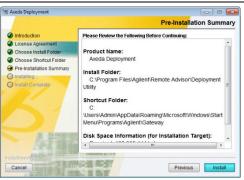
- Accept the License Agreement
- Select the Next button



Select the Next button



Select the Next button



Select the Install button



Select the Done button

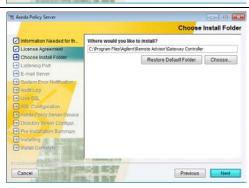
# 4.3 Axeda Policy Server



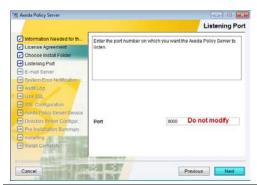
• Select the Next button



- Accept the License Agreement
- Select the Next button



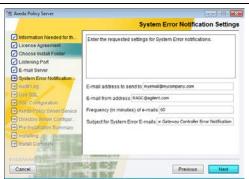
Select the Next button



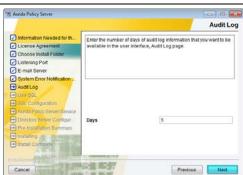
• Select the Next button



Select the Next button



• Select the Next button



• Select the Next button



Select the Next button



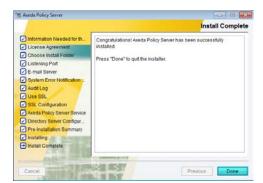
Select the Next button



Select the Next Button



Select the Next button

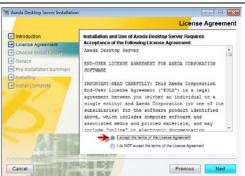


Select the Done button

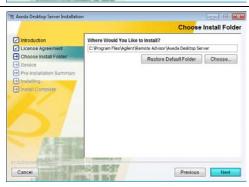
### 4.4 Axeda Desktop Server Installation



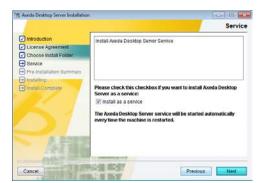
Select the Next button



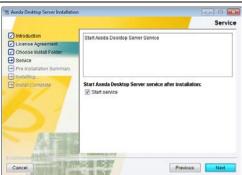
- Accept the License Agreement
- Select the Next button



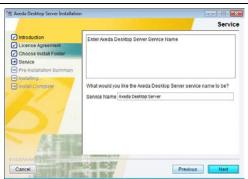
• Select the Next button



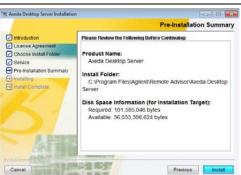
Select the Next button



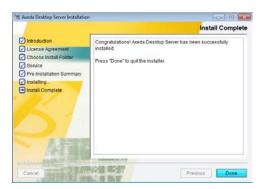
Select the Next button



Select the Next button

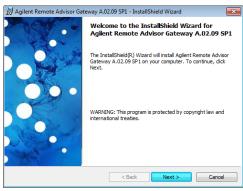


• Select the Install button



Select the Done button

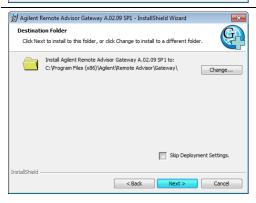
### 4.5 Remote Advisor Gateway Software Installation



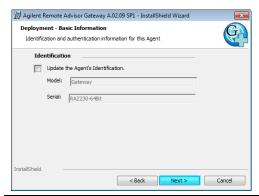
Select the Next button



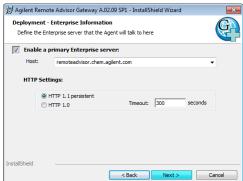
- Accept the License Agreement
- Select the Next button



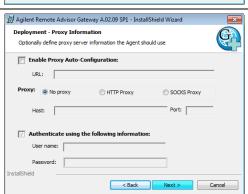
Select the Next button



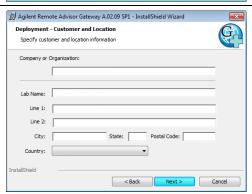
Select the Next button



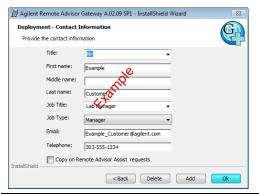
• Select the **Next** button



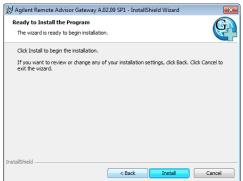
- Enter proxy information specified by IT. See paragraph 1.2.1 for more information about proxy servers.
- Select the Next button



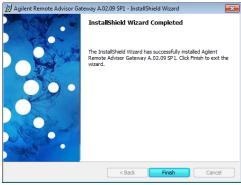
- Complete all Fields
- Select the Country
- Select the Next button



- Enter the Contact information
   \*\*Note\*\* Check the Copy on
   Remote Advisor Assist box if
   the contact wishes to receive
   confirmation emails from all
   Remove Advisor Assist
   Requests by other contacts
- Select the OK button



Select the Install button



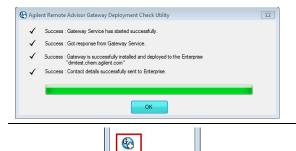
• Select the Finish button



Close Notepad

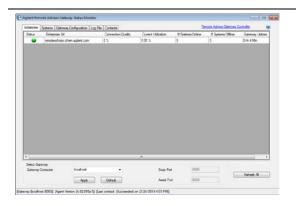


Select the Yes button



Successful Deployment will be confirmed with Success as shown in the Agilent Remote Advisor Gateway Deployment Check Utility which displays after the PC restart.

- Select the OK button
- Double click the Gateway Status Monitor icon in the Windows notification area to open the Agilent Remote Advisor Gateway Status Monitor



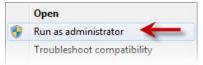
Select the Enterprise tab The Status indicator will be green. Connection Quality will remain at 0% until the Gateway Uptime is 0Hr 5Min or greater.

### 5 Data Source Software Installation

This Data Source Software Installation section installs the Data Source software and configures the MP-AES in the Data Source. The Data Source collects and processes instrument statistics and forwards the statistics to the Gateway.

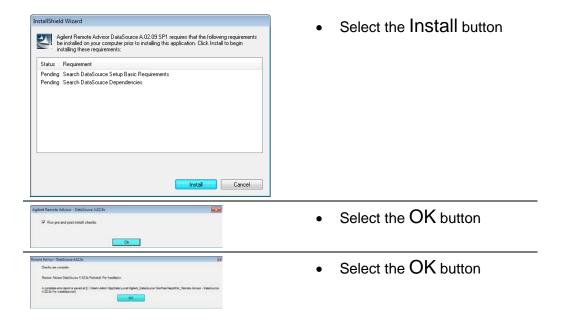
- Install the Remote Advisor Installation DVD in the optical drive.
- Browse the DVD to the :\Data Source Installer folder
- \*\*IMPORTANT\*\*

Right click AgilentDataSource.exe Select Run as Administrator

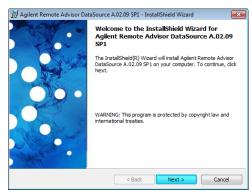


### 5.1 Data Source Software Installation

\*\*\*IMPORTANT\*\*\* Default values are used for all installation windows except where highlighted. Screen captures with the default action are captured below.



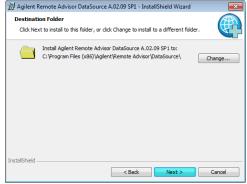
### **Data Source Software Installation**



Select the Next button



- Accept the License Agreement
- Select the Next button

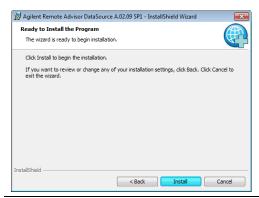


• Select the Next button



- Enter localhost for the Gateway Name when Gateway and Data Source are installed on the same PC
  - or
- Enter the Gateway PC name when a dedicated Gateway PC is used.
- Select the Next button

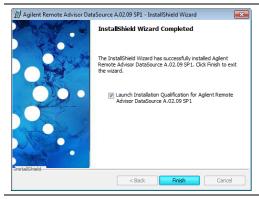
### **Data Source Software Installation**



Select the Install button



• Select the OK button



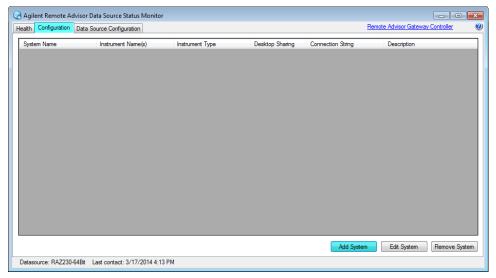
Select the Finish button



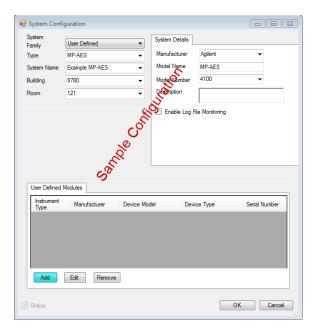
- Verify the Overall Evaluation of the Installation Check is Pass
- Close the Internet Explorer window

# **6 Instrument Configuration**

Remote Advisor collects status of the MP-AES by parsing XML files created by MP Expert. MP Expert 1.4 or greater must be installed before the MP-AES can be configured in the Data Source Status Monitor.



- Select the Configuration tab of the Data Source Status Monitor
- Select the Add System button
   The System Configuration window opens



#### **System**

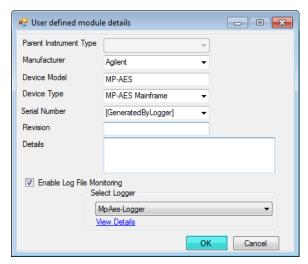
- Select User Defined for the Family
- Select MP-AES for the type
- Enter the Name of the System
- Enter the Building name where MP-AES is located (optional)
- Enter the Room name or number where MP-AES is located (optional)

### **System Details**

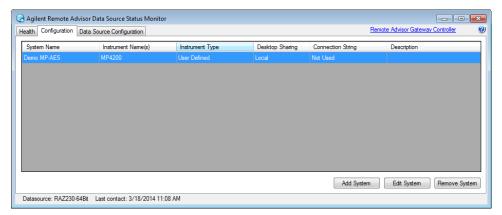
- Select Agilent for the Manufacturer
- Enter MP-AES for the Module Name
- Enter the MP-AES Model Number

#### **User Defined Modules**

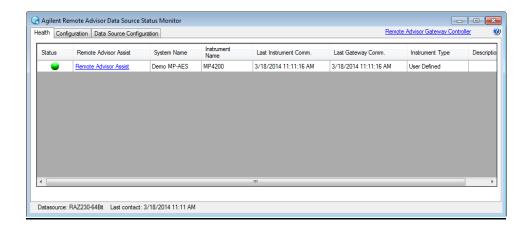
 Select the Add button in the User Defined Details section User Defined Module Details window opens



- Select Agilent for the Manufacturer
- Enter MP-AES for the Device Type
- Enter MP-AES Mainframe for the Device Type
- Select [GeneratedByLogger] for the Serial Number
- Check Enable Log File Monitoring
- Select MP-AES-Logger for the Logger
- Select the OK button
   The MP-AES system will display in the Configuration tab of the Data Source Status Monitor



 Select the Health tab to verify communications from the Data Source to the instruments



<u>Last Instrument Comm.</u> should have a value close to the current PC time <u>Last Gateway Comm.</u> should have a value close to the current PC time Configuration of the LC system is complete. The Data Source Status Monitor may be closed.

### 7 Remote Advisor Installation Verification

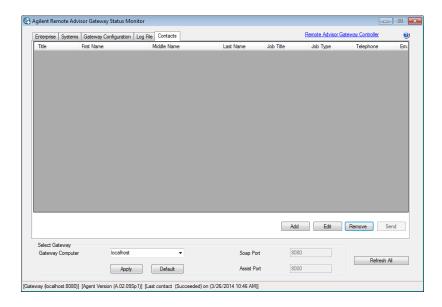
This Remote Advisor Installation Verification Procedure is the written instruction to verify that Agilent Remote Advisor Remote Assist works correctly with the Enterprise Server. This procedure instructs how to create or edit customer contacts for the Gateway on the Enterprise.

### 7.1 Gateway Contact Information

Gateway Contacts are configured from the Gateway Status Monitor Contacts tab. At least one customer contact should be present. Contact information will display on the Enterprise. Contact information is used by the Agilent Customer Contact Center should they need to contact the customer.



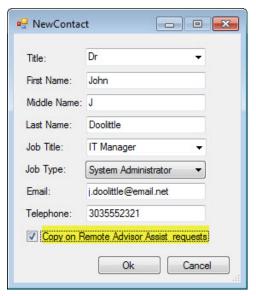
 Double click the Remote Advisor Gateway icon in the system notification area to open the Gateway Status Monitor



- Select the Contacts tab
- Select the Add button from the Gateway Status Monitor to add a new contact or
- Select an existing contact and the Edit button to edit an existing contact

### **New Contact Window**

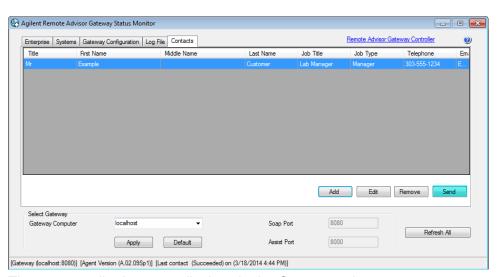
The New Contact Windows displays after selecting the Add or Edit buttons. Contact information is entered or edited in the New Contact Window



- Add or edit contact information as required
- Select the OK button

#### **Copy on Remote Advisor Assist requests**

When checked, this contact will receive an email when all Remote Advisor Assists are initiated from this Gateway or Data Source PCs connected to this Gateway.



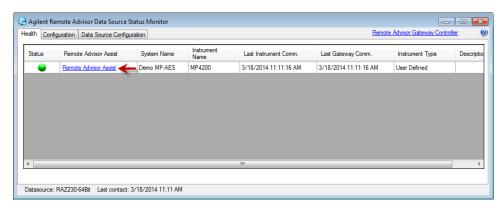
The new or edited contact displays in the Contacts tab

Select the Send button to send the contact information to the Enterprise

# 7.2 Remote Advisor Assist and Remote Collaboration Test7.2.1 Remote Assist



Select the Data Source icon from the system task bar



- Select the Health tab
- Select the Remote Advisor Assist link for the system to test

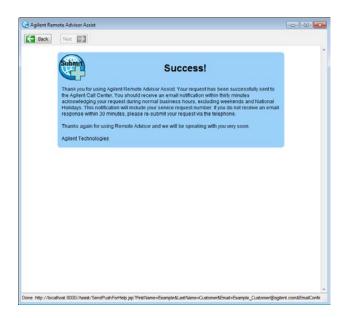


- Enter your First Name in the First Name field
- Enter your Last Name in the Last Name field
- Enter your E-mail in the E-mail address field
- Enter your E-mail again in the Confirmation E-mail
- Enter a phone number where you can be contacted while on site
- Enter a description that this is a new installation. Example:

This is the initial Remote Advisor Assist during a new installation. Please confirm by telephone that you have received this Remote Advisor Assist and to test Remote Collaboration

**Note:** Remember my contact information is for customer contact information to be kept for future Remote Assist requests.

Select the Submit button

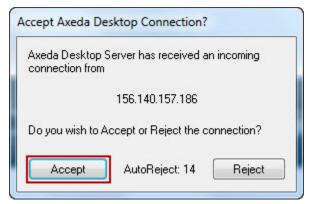


Success is displayed when the Remote Advisor Assist is successful. A failure indicates that the Gateway has lost communications with the Enterprise server. Notice that the Back button is now active. The Back button will display the Remote Advisor Assist form with original text.

### 7.2.2 Remote Collaboration

Test Remote Collaboration with the Customer Contact Center. A good time to test is when the Customer Contact Center agent contacts you to confirm receipt of Remote Assist. Remain on the phone with the contact center during the Remote Collaboration test.

- 1. Remote Collaboration is initiated by the Customer Contact Center
- 2. An Accept Axeda Desktop Connection window will display after the contact center initiates Remote Collaboration



Accept the Desktop connection
 The Customer Contact Center will now be able to view and modify the PC



Remote Advisor Collaboration Alert Window is displayed on the Remote PC when a Remote Session is in progress

### 7.2.3 To End or Kill the Collaboration Remote Session

The Remote Collaboration session will usually be ended from the Enterprise server. Remote Collaboration can also be ended from the Data Source PC.

### Method 1

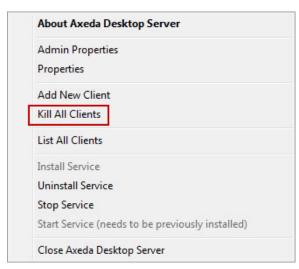


 Select the Kill Remote Collaboration Session on the Remote Advisor Collaboration Alert window

### Method 2



- Select the up arrow in the Windows notification area for Windows 7
- Right click the Windows Axeda Desktop server icon (yellow eye)



Select Kill all clients to end the session