



# 3-SDU V5.46 Release Notes

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## Introduction

These release notes document the changes in 3-SDU version 5.46. Please read these release notes in their entirety before installing 3-SDU 5.46.

We may use “x” in a model number to indicate several generations of the product. For example, 3-CPUx represents the 3-CPU, 3-CPU1, and 3-CPU3.

### Contacting support

Contact technical support if you encounter any difficulties during this installation.

Tel +1 800 655 4497

[Technical Support Ticket](#)

[www.edwardsfiresafety.com](http://www.edwardsfiresafety.com)

## Operating system compatibility

3-SDU 5.46 is compatible with the following versions of Microsoft Windows:

- Windows 7 Professional SP1 (32-bit)
- Windows 7 Professional SP1 (64-bit)
- Windows 8.1 Professional (32-bit)
- Windows 8.1 Professional (64-bit)

- Windows 10 Home, version 20H1 (32-bit)
- Windows 10 Home, version 20H1 (64-bit)
- Windows 10 Professional, version 20H1 (32-bit)
- Windows 10 Professional, version 20H1 (64-bit)
- Windows 10 Professional N (32-bit)
- Windows 10 Professional N (64-bit)

**Note:** 3-SDU 5.46 must be “run as administrator,” and requires full elevated rights and privileges.

## Changes in this version

New features and updates in this release include:

- Support for 3-SAC LRM for European marketplace configurations

## Language support

Table 1 below and Table 2 on page 3 detail the language support available in 3-SDU version 5.46.

**Table 1: Language support on projects containing EST3 control units only**

Language	US	Canada	Europe	Middle East	Australia AS4428	China	Singapore	Australia AS7240	New Zealand	Arabic	International	Asia
Arabic (United Arab Emirates)										X		
Chinese (Simplified PRC)						X						X
Chinese (Traditional Taiwan)												X
Dutch (Standard - Netherlands)			X									
English (Australia)					X				X			
English (Britain)			X					X				
English (USA)	X	X	X	X		X	X		X	X	X	X
Finnish (Finland)			X									
French (Canada)	X	X									X	

Language	US	Canada	Europe	Middle East	Australia AS4428	China	Singapore	Australia AS7240	New Zealand	Arabic	International	Asia
French (France)			X									
German (Standard - Germany)			X									
Hebrew (Israel)	X			X							X	
Italian (Italy)	X		X								X	
Korean (Extended Wansung - Korea)												X
Polish (Poland)			X									
Portuguese (Brazil)	X										X	
Portuguese (Standard - Portugal)			X									
Russian (Russia)	X		X								X	
Slovak (Slovakia)			X									
Spanish (Mexico)	X										X	
Spanish (Modern Sort - Spain)			X									
Turkish (Turkey)	X		X								X	

**Table 2: Language support on projects containing EST3X control units only, or a combination of EST3X and EST3 control units**

Language	US	Canada
English (USA)	X	X
French (Canada)	X	X
Portuguese (Brazil)	X	
Spanish (Mexico)	X	

**Note:** The KPDISP provides a single layout for use in the markets and languages served by the American, European, Middle East, and Australian market places.

## Bilingual language character sets (for EST3 control unit only projects)

When selecting a primary and secondary language, both languages must be supported in the same font table.

**Table 3: Bilingual character sets**

EST3 code page	Bilingual language sets
1250 (Eastern Europe)	Croatian, Czech, English, Hungarian, Polish, Slovak
1251 (Cyrillic)	English, Russian
1252 (Western Europe)	Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, Swedish
1254 (Turkish)	English, Turkish
1255 (Hebrew)	English, Hebrew

**Note:** When using English as one of the languages in a code page, it must be set as the secondary language on the Configure Project > Operations tab. The exception to this is the Western Europe code page, where English can be set as the secondary or the primary language.

## Printer code pages

The following table shows the DOS code page support required to allow you to print in the local language. Since not all Windows characters are available on a DOS printer, some characters may not be supported.

**Table 4: Printer code pages**

EST3 code page	Printer code page
936 (Chinese Simplified)	Windows Code Page 936 (GB)
949 (Korean)	Windows Code Page 949 (Extended Wansung)
950 (Chinese Traditional )	Windows Code Page 950 (Big 5)
1250 (Eastern Europe)	DOS Code Page 852
1251 (Cyrillic)	DOS Code Page 866
1252 (Western Europe)	DOS Code Page 850
1254 (Turkish)	DOS Code Page 857
1255 (Hebrew)	DOS Code Page 862
1256 (Arabic UL)	DOS Code Page 864

## Software versions and compatibility

### LRM compatible versions

You must upgrade all applicable microcode versions to take full advantage of the new features offered in 3-SDU 5.46.

**Table 5: 3-SDU 5.46 software compatibility**

LRM	Oldest version [1]	Latest version	Medium	Part number
3-ASU	3.01	3.50	Web	3-SDU
3-AADC	3.41	3.41	Web	3-SDU
3-AADC1	3.41	3.71	Web	3-SDU
3-CPUx	3.65	5.30	Web	3-SDU
3-EASC/3-EADC	3.61	4.0	Web	3-SDU
3-FTCU	1.0	1.2	Chip	190156
3-FTCU	1.4	3.4	Chip	190254
3-IDC8/4	1.1	3.6	Chip	190159
3-LDSM	1.0	5.0	Chip	190153 or 7350700
3-MODCOM(P)	3.6	3.6	Web	3-SDU
3-OPS	1.0	3.1	Chip	190158 or 7400158
3-PPS	1.0	3.64	Chip	190157 or 7400152
3-BPS	1.0	3.64	Chip	190157 or 7400152
4-PPS/M	TBD	TBD	Web	TBD
3-BBC	3.0	3.64	Chip	190157 or 7400152
3-RS485-A/B	-	1.51	PAL Chip	190271
3-RS485-R	-	1.4	PAL Chip	190270
3-SSDC/3-SDDC	3.32	3.32	Web	3-SDU
3-SSDC1/3-SDDC1	3.32	5.20	Web	3-SDU
3-SSDC2/3-SDDC2	5.40	5.40	Web	3-SDU
3-SAC	3.6	3.6	Web	3-SDU
3-ZA15	1.1 [3]	N/A	Chip	190151
	1.3	N/A	PAL Chip	190191
3-ZA20A	1.4	3.64	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA20B	1.4	3.64	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068

LRM	Oldest version [1]	Latest version	Medium	Part number
3-ZA30	1.1 [3]	N/A	Chip	190151
	1.3	N/A	PAL Chip	190191
3-ZA40A	1.4	3.64	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA40B	1.4	3.64	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA90	1.4	N/A	Chip	190252
	1.4	N/A	PAL Chip	190191
3-ZA95	1.4	3.64	Chip	190252
	1.0	1.0	PAL Chip	7400068
C-CPU	1.07	1.40	Web	3-SDU
CRC	1.7	1.7	Web	3-SDU
KPDISP	1.6	1.6	Web	3-SDU
CDR-3	2.0	3.6	Chip	190071
RLCD	2.0	2.04	Chip	RLCD
RLCD-C	2.0	2.04	Chip	RLCD-C
RLED	2.0	2.04	Chip	RLED
GCI	2.0	2.04	Chip	GCI

[1] Oldest version still compatible with the current version of 3-SDU.

[2] International and China markets *only*.

[3] Version 1.12 required for stand-alone mode disabled feature. To obtain V1.12, request a deviation version for part number 190151 from Technical Support.

#### Notes

- All 3-CPUx control units on a network must use the same version of microcode. Networks with 3-CPU microcode version 3.0 or later can be upgraded with the 3-SDU by using the network download function. See “Upgrading microcode versions” on page 13.
- The 3-CPU3 is 100 percent backward compatible with, and can be installed on the same network as, 3-CPU1 and 3-CPU.
- 3-FTCU firmware comes in two non-interchangeable forms. Part 190254 cannot be used to update Part 190156, and vice versa.

#### 3-SDU database compatibility

Use 3-SDU 5.46 to generate databases for the LRMs listed in Table 6 below.

**Table 6: LRM microcode supported by 3-SDU 5.46**

LRM	3-SDU supported microcode versions
3-AADC	V3.41

LRM	3-SDU supported microcode versions
3-AADC1	V3.41, V3.6, V3.7, V3.71
3-ASU	V3.01, V3.4, V3.5
3-CPU	V3.65, V3.75, V4.05, V5.02, V5.03, V5.20, V5.21, V5.30
3-EADC/EADC	V3.61, V4.0
3-MODCOM(P)	V3.6
3-SAC	V3.6
3-SSDC/SDDC	V3.32
3-SSDC1/SDDC1	V3.32, V3.6, V3.7, V3.71, V3.75, V4.0, V4.02, V4.05, V4.10, V5.20
3-SSDC2/SDDC2	V5.40
4-PPS/M	TBD
C-CPU	V1.07, V1.11, V1.20, V1.30, V1.31, V1.40
CRC	V1.7
KPDISP	V1.6

## Installing and upgrading to 3-SDU 5.46

### Upgrading

If previous 3-SDU versions are not uninstalled, you will be prompted during the new version installation to do so, or to choose a different directory for the new version.

**Note:** As a best practice, always export and save all projects to a backup location before uninstalling the 3-SDU.

The 3-SDU does not remove the Projects folder during the uninstall process; however, the location to which you install the new version affects the list of projects shown by 3-SDU 5.46.

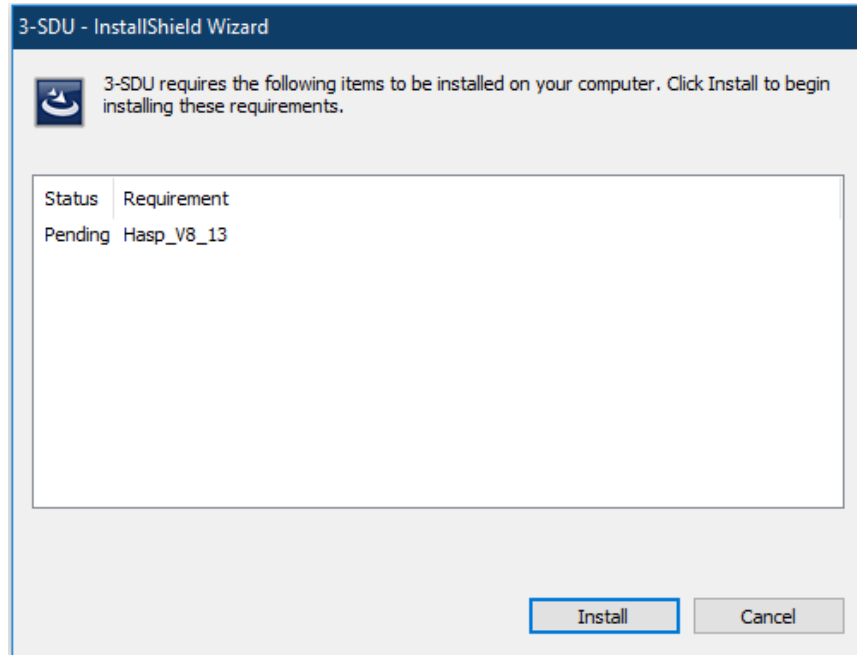
The location of the installation affects your projects as follows:

- If you are installing into the same directory as the previous installation, the 3-SDU does not overwrite the old Projects folder, so your existing projects remain intact. When you open an existing project, the 3-SDU converts that project's internal database format to work with 3-SDU 5.46.
- If you are installing into a different directory than the previous installation, the Projects folder will be empty. Your old projects still exist in the Projects folder of your previous installation directory, but are not accessible from the V5.46 installation of the 3-SDU. To correct this, after you have finished upgrading to 3-SDU 5.46, import your existing projects from your backup location.

### Installation prerequisites

When you start the initial 3-SDU installation, as well as consecutive installations, a requirements window (Figure 1 on page 8) appears listing any prerequisites that need to be installed on your computer. An installation wizard will step you through installing the HASP device driver and Adobe Reader prerequisites.

**Figure 1: The requirements window**



### **HASP device driver**

The HASP requirement only appears during a first-time installation. Any subsequent installations of the 3-SDU application do not display the HASP requirement.

**Note:** The HASP *does not* uninstall if you uninstall the 3-SDU. If you need to uninstall the HASP, use the Windows Control Panel.

### **Adobe Reader**

Whether upgrading or performing a new 3-SDU installation, the application will automatically install Adobe Reader if no previous version is installed. If a previous version is found, the application does not display the Adobe Reader requirement.

### **Installing the 3-SDU**

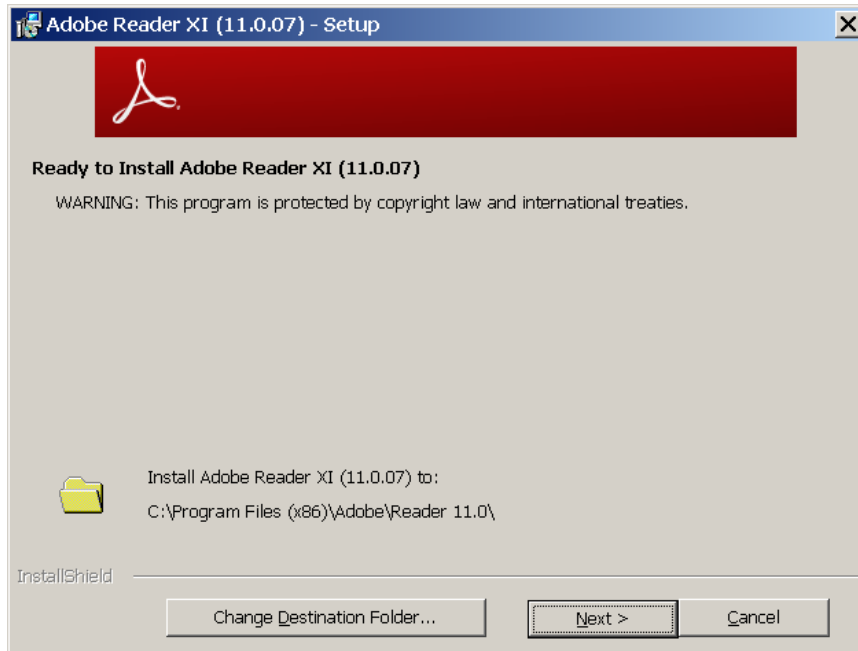
The 3-SDU application begins installing immediately after the prerequisite requirements have installed completely.

**Note:** To successfully install the application, the HASP key *must* be inserted in the USB port on the computer before starting the installation.

## To install the 3-SDU:

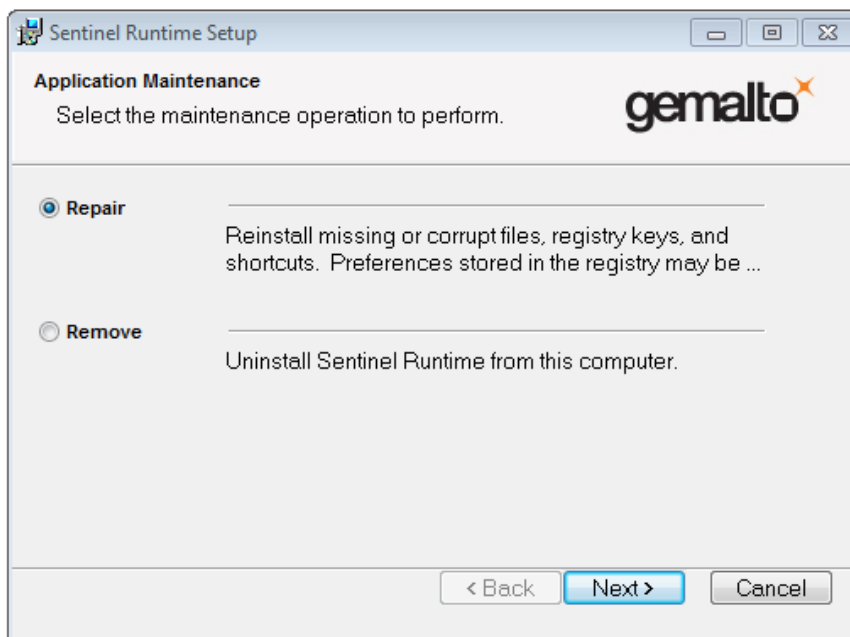
1. Double-click the 3-SDU setup.exe file. The prerequisites requirements window appears (see Figure 1 on page 8). Click Install.

If Adobe Reader is not found on the computer, an Adobe Reader installation window appears. Click Next, and then follow the on-screen instructions.

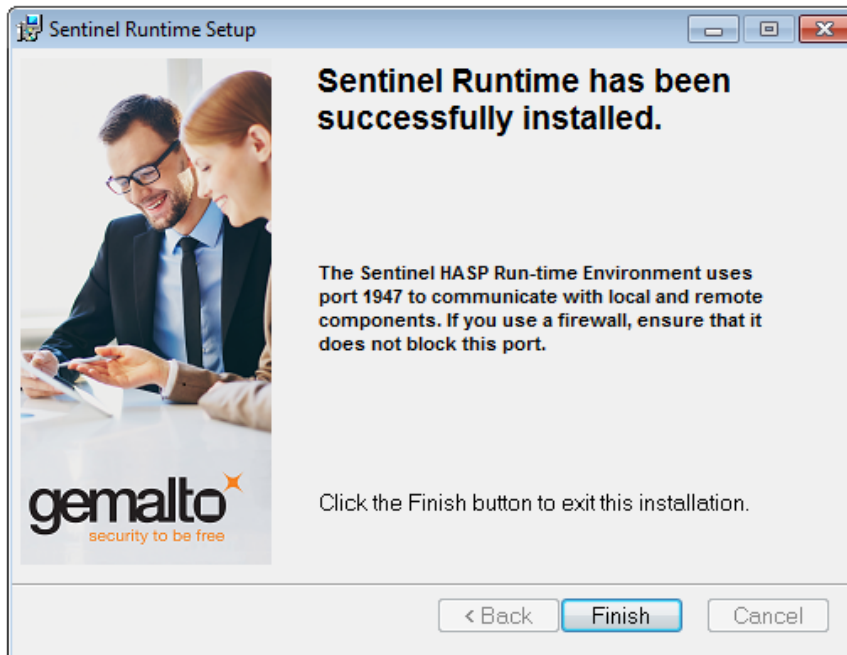


The Sentinel Runtime Setup window appears, starting the HASP device driver installation process. Click Repair, click Next, and then click Next on the Ready to Repair window.

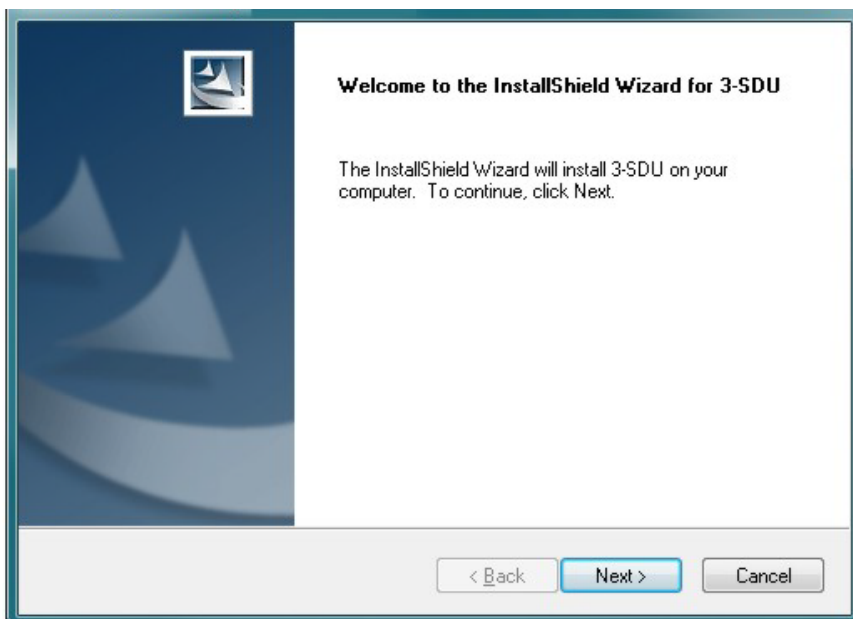
**Note:** When installing the 3-SDU on top of or with an existing version, click Repair. Do not click Remove. Doing so removes the HASP driver but continues with the 3-SDU installation. You cannot use the 3-SDU without the HASP driver installed.



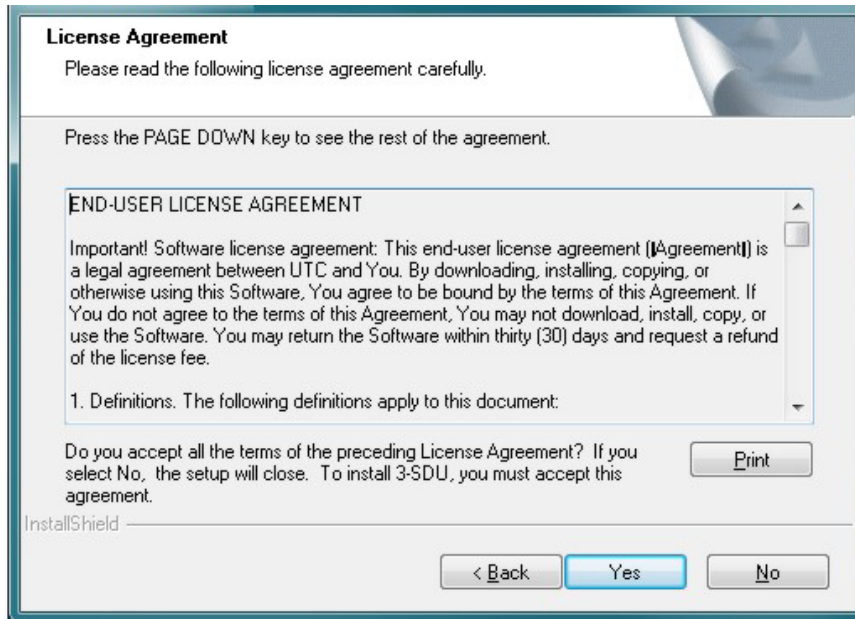
Click Finish to exit the HASP device driver installation.



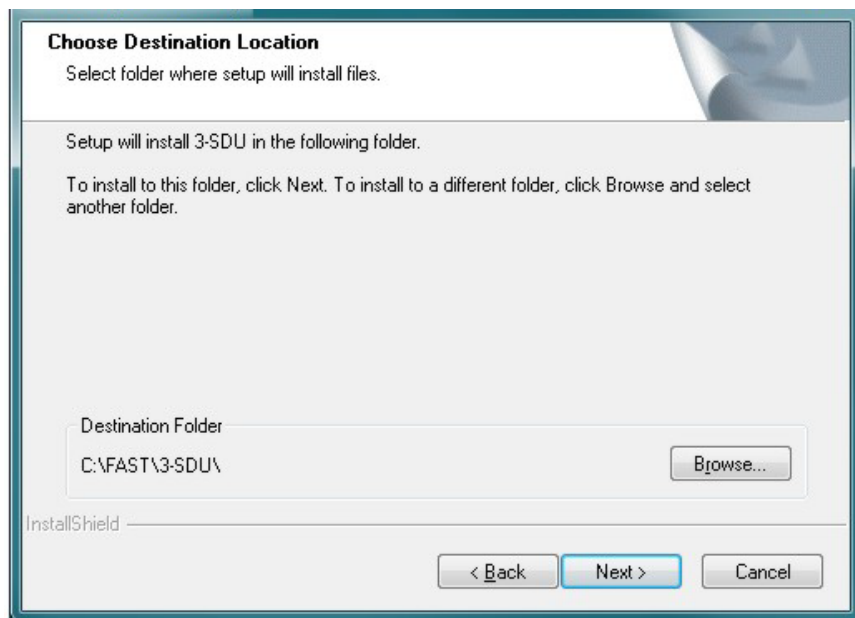
2. The 3-SDU installation wizard starts and displays the welcome page. Click Next.



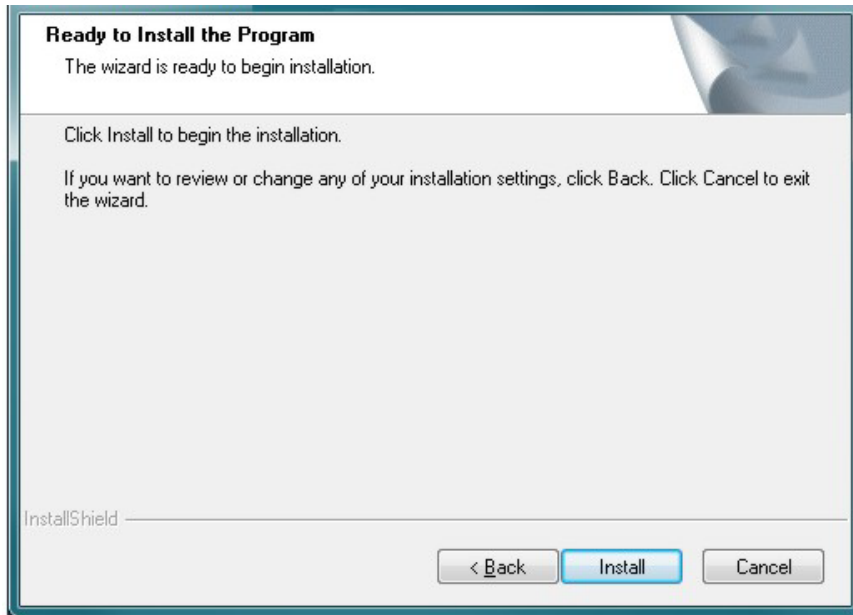
3. The License Agreement page appears. Click Yes to accept the license.



4. The Choose Destination Location page appears. Click Browse to select another folder or click Next to choose the default path C:\FAST\3-SDU\.

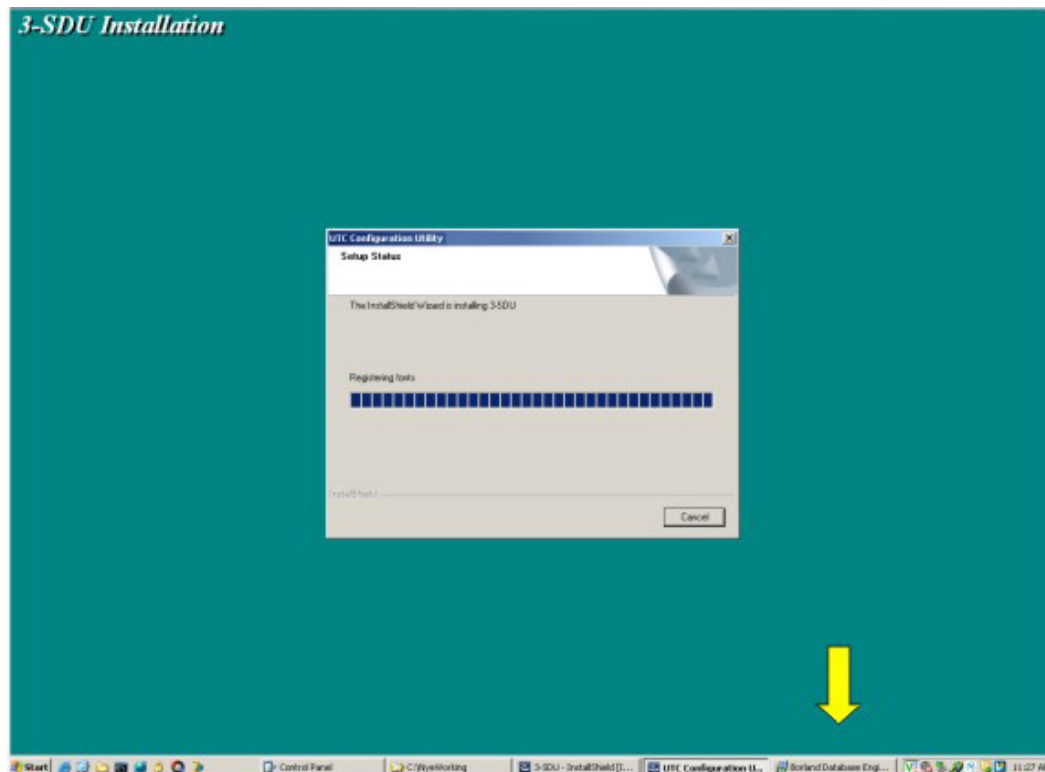


5. The Ready to Install page appears. Click Install to begin transferring files.

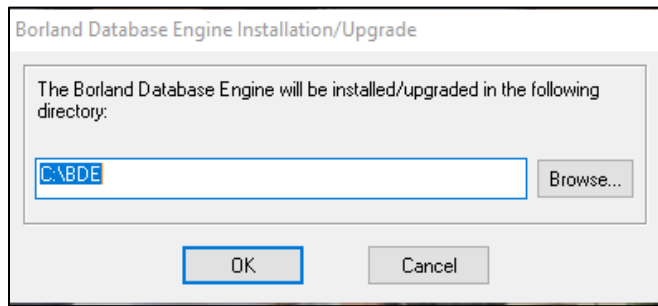


6. The Borland Database Engine (BDE) installation automatically starts.

**Note:** If the 3-SDU installation remains in wait mode, the Borland Database Engine Installation/Upgrade (BDE) dialog box may be behind the 3-SDU Installation window or other active window. When this happens, click the BDE icon in the Windows taskbar. See the next figure to locate the icon.



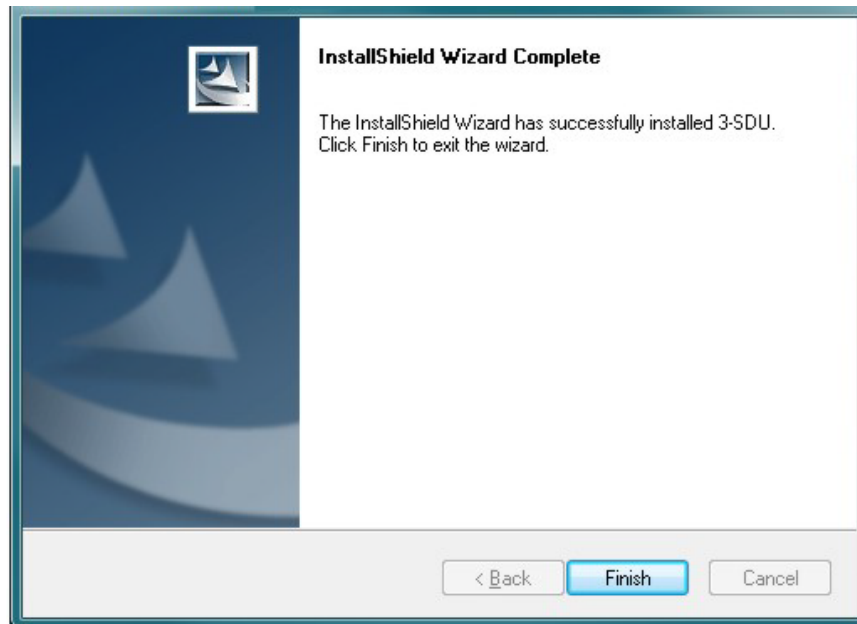
**Note:** The Borland Database Engine Installation/Upgrade dialog box appears. Do *not* click the Cancel button. Any attempt to cancel the BDE installation generates an error.



You can click Browse to select another folder, or click OK to choose the default path C:\BDE. We do not recommend changing the default path.

If the BDE is already installed in the default directory, it overwrites the previous installation. You can also install the BDE in multiple directories. Neither of these scenarios affects the operation of the 3-SDU application.

7. After the BDE finishes installing, the Complete page appears. Click Finish to complete the 3-SDU installation.



## Upgrading microcode versions

### 3-CPUx version 5.30

Project version numbers are embedded in each project file. Because the Save As command creates a new version number that is different than the embedded version, you must use the following procedure to install V5.30. Please follow these steps in the correct order to upgrade the hardware and software in your system.

#### Notes

- When adding an EST3X fire alarm control unit to an EST3 Network, upgrade your EST3 microcode to V5.30 before connecting EST3X nodes to the EST3 network.
- Do not mix different versions of 3-CPUx microcode on the same network. Upgrade an existing system by carefully following this procedure.

### To upgrade 3-CPUx V3.0 or later to V5.30:

1. Install 3-SDU 5.46.
2. Click Project > Open and select your project from the Open Project dialog box. Click OK to open the project.  
**Note:** When you open a project, the 3-SDU may give you a warning that states “Some or all of this project’s selected Microcode versions do not exist or are incompatible with the Brand or Market place. Click OK to update to the latest versions or click Ignore and fix the problem manually.” If you click Ignore and do not select valid versions of microcode, errors can occur when configuring the LRMs. Therefore, if you click Ignore, also go to the Project Parameters > Microcode tab and verify that the selected microcode versions are all supported; the 3-SDU highlights in red those versions that are no longer supported.
3. Click OK to upgrade the microcode of your project.
4. Save your project as a new version, using the Save As command on the File menu.
5. Click Rules > Compile to recompile your project.
6. Click Tools > DB Conversion > All Databases to create databases for the loop controllers and cabinets.
7. Click Project > Save to save the recompiled project.
8. Click Tools > Communications and select Network for the Download mode.
9. From the LRM Type Display Filter group, select 3-CPU. From the File Display Filter group, select three options, Boot loader code, Application code, and Database for each control unit. (Do not select any other option.)
10. On Class B networks, connect the 3-SDU to the first CPU (sometimes called the service control unit). On Class A networks you can connect the 3-SDU to any node on the network.
11. Click Download and Start to begin the network download.

### Upgrading firmware on 3-SSDC(1)(2)(C), 3-SDDC(1)(2)(C), and 3-AADC(1) loop controllers

You *must* upgrade the 3-CPUx before upgrading the loop controllers.

You can upgrade the loop controllers using network downloads.

If the bootstrap download fails, or if the steps are performed out of order, you must cycle the power on the control unit and restart the upgrade by downloading the bootstrap code again.

You *must* complete each of the following steps in separate download sessions.

### To upgrade the loop controllers:

1. Download the 3-SSDC(1)(2)/3-SDDC(1)(2)/3-AADC(1) bootstrap to each LRM. (Download the bootstrap only; do not download the application code or database.)
2. From the LCD, issue a restart command for all control units.
3. Download the 3-SSDC(1)(2)/3-SDDC(1)(2)/3-AADC(1) application code.
4. Download the 3-SSDC(1)(2)/3-SDDC(1)(2)/3-AADC(1) loop controller databases.

### Upgrading the 3-ASU

When upgrading the 3-ASU, we recommended that you do so in the following order:

1. Download the boot code.
2. Download the application code.
3. Download the database.

## Upgrading the CRC

When upgrading the CRC/CRCXM, we recommend that you do so in the following order:

1. Download the 3-SDU application code.
2. Download the 3-SDU database.
3. Download the ACDB database (from the CRC Administration tab, select the Destination DB Init task).

**Note:** Upgrading the code to a CRC disables the access functionality for the door being controlled, until you use the ACDB to download its corresponding database.

## Upgrading from C-CPU 1.0x, 1.1x, 1.2x, V1.31 to 1.40

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**Caution:** If you have C-CPU V1.06 loaded in your control unit, you must upgrade to either V1.07 or V1.11, V1.20, V1.30 or V1.31, V1.40.

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Firmware V1.31 is not compatible with older databases (V1.0x firmware). The new application and *all* databases must be downloaded to *all* control units in the system. Do not mix different versions of C-CPU microcode on the same network; upgrade an existing system by carefully following these steps.

### Steps to upgrade the C-CPU to V1.40:

1. Install 3-SDU 5.46.
2. Click File > Open and select your project from the Open Project dialog box. Click OK to open the project.
3. On the Project/Microcode tab, select the 1.40 version for C-CPU.
4. Save your project as a new version, using the Save As command on the File menu.
5. Click Rules > Compile to recompile your project.
6. Click Tools > DB Conversion > All Databases to create databases for the loop controllers and cabinets.
7. Click File > Save to save the recompiled project.
8. Click Tools > Communications and check Network for the download mode.
9. Select the CPU Application code, bootstrap, C-CPU database, and the internal loop controller database (slot 3) for each control unit.
10. Connect your PC to any CPU node on the network.
11. Click Download and Start to begin the network download.
12. After the download finishes and the control units start up, the LCD shows the following internal fault:

“xx000604Internal Fault”, where xx is the control unit address

Restart the network to restore the fault. From any control unit in the network, select Program Menu > Restart and perform a restart of *all* control units.

## Downgrading the C-CPU from V1.40 to V1.xx

You may want to downgrade a C-CPU version from V1.40 to 1.0x in certain situations.

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**Caution:** If your project includes zoned amplifiers that are impacted by the issue described in Tech Facts 16009, you *must not* use a version of C-CPU microcode earlier than V1.31.

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### To downgrade the C-CPU version:

1. Install 3-SDU 5.46.
2. Click File > Open and select your project from the Open Project dialog box. Click OK to open the project.

3. On the Project/Microcode tab, select the 1.xx version for C-CPU.
4. Save your project as a new version, using the Save As command on the File menu.
5. Click Rules > Compile to recompile your project.
6. Click Tools > DB Conversion > All Databases to create databases for the loop controllers and cabinets.
7. Click File > Save to save the recompiled project.
8. Click Tools > Communications and check Network for the download mode.  
Select the C-CPU application code, the C-CPU database, and the internal loop controller database (slot 3) for each control unit.
9. Connect your PC to any CPU node on the network.
10. Click Download and Start to begin the network download.

### To upgrade a 3-PPS/M to a 4-PPS/M:

When upgrading to the 4-PPS/M, we recommend that you do the following for each cabinet with the 4-PPS/M installed:

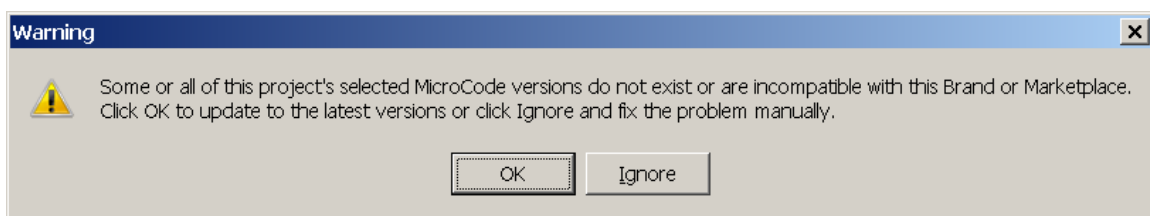
1. Import the corresponding project.
2. Click Configure > Cabinet, and then select the cabinet with the 4-PPS/M.
3. Click the Modules tab, check the Downloadable 3-PS/M check box on the Hardware Layer tab, and then close the window.
4. Click Rules > Compile, to recompile your project.
5. Click Tools > DB Conversion > All Databases, to create all databases.
6. Click Project > Save or Save As, to save the recompiled project.
7. Click Tools > Communications, and then for Download Mode select Network.
8. Download 3-CPUx Database.

After the 3-CPU reboots, download 3-PS/M Bootstrap and Code.

## Important information

When you open a 3-SDU project, you see a Warning message about missing or incompatible microcode versions. If you click OK, download the latest firmware and boot loader code before downloading the database. Without first downloading the application codes, the control unit may lock up.

**Figure 2: Missing or incompatible microcode versions warning**



## Reminder of NFPA 72 testing requirements

When changes are made to site-specific software, the following shall apply:

- All functions known to be affected by the change, or identified by a means that indicates changes, shall be tested 100 percent.
- In addition, 10 percent of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, also shall be tested and correct system operation shall be verified.
- A revised record of completion in accordance with NFPA standards shall be prepared to reflect these changes.
- Changes to all control units connected or controlled by the system executive software shall require a 10 percent functional test of the system, including a test of at least one device on each input and output circuit to verify critical system functions such as notification appliances, control functions, and off-premises reporting.

## Known issues

The following known issues exist for 3-SDU 5.46.

### IP Dialer Email Service issue

EST3X fire alarm control units configured for email services that deliver TCP/IP transmission of system events as email messages may experience non-transmission of messages from some email services in the control unit. No troubles are displayed on the control unit if this issue occurs, even when the Email Service is configured for supervision (Configure > Cabinet > IP Dialer - EMail > IP Services > Email Service > Email Service Configuration).

For EST3X control units with an Email Service configured, use the following steps to determine if the service is functioning correctly.

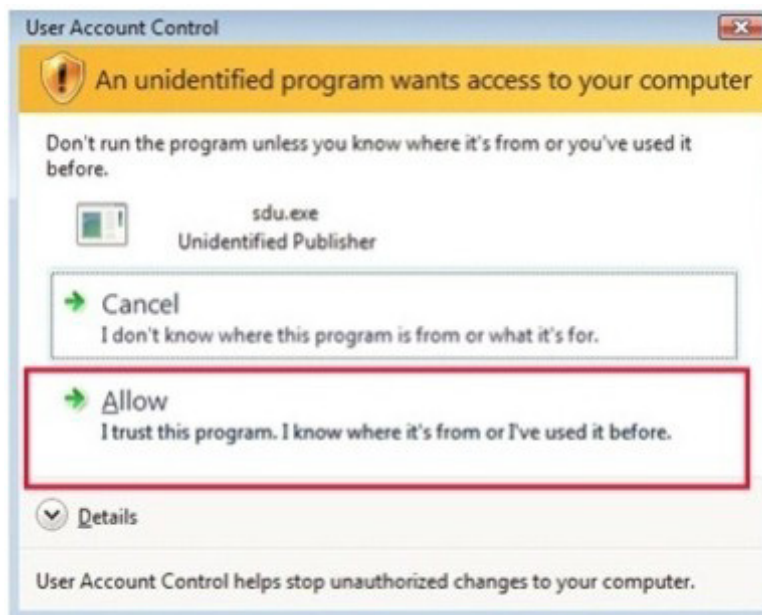
#### To verify TCP/IP email transmission:

1. In the 3-SDU, configure a Time Control (Configure > Time Controls) to set a predefined time interval for sending the email messages.
2. Write a rule to send emails using the Time Control configured above.
3. If the emails are not received at the predefined time interval, restart the control unit.

### Windows 7

Some features in the 3-SDU require you to run the program with higher privileges in the execution level scheme for Windows 7. However, when you run at the higher privilege level, the User Account Control dialog box appears.

**Figure 3: User Account Control**



This appears because the 3-SDU is not currently certified with electronic signature verification software. Click Allow to run your 3-SDU with full functionality.

### Fonts and resolution

You must run the 3-SDU on a computer with a resolution of 1024 x 768 or greater and use normal size fonts, that is, DPI setting: Normal size (96 DPI). If you use any other font setting the 3-SDU buttons may not be accessible.

### Using time controls to disable zone groups

Members of a zone group are not disabled if the zone group is disabled via a time control. Do not use time controls to disable a zone group.

### Time synchronization

3-CPU Version 03.10.00 has a known issue with the time synchronization command. If your system has Time Synchronization > System Time Source set to 3-LCD User Interface, then any communication with the 3-CPU will cause the system to reboot. We recommend that when you use 3-SDU 5.46 you set Time Synchronization > System Time Source to Input Circuit.

### R-Series remote annunciator group details

The following functions for R-Series remote annunciators are not enabled at this time:

- Matrix details
- Service group details

### CDR-3 Bell Coder parity

When using the CDR-3 on an EST3X fire alarm control unit (FACU), set the CDR-3 to “no parity” if you need extended digit operation. See the *CDR-3 Bell Coder Installation Sheet* (P/N 3100023) for details on the switch options.

### **AND group and matrix group queue state activations for device type changes**

When devices are added to AND groups or matrix groups the default queue state activation (Q1, Q2, Q3, Q4, NA (AND groups only)) for each device is set based on the device type. When you change the device type the queue state activation selection clears for all queue selections in the AND matrix groups. You must check each group and reselect the correct queue state activations based on the desired operations.

### **Error message “File Access Denied”**

Updates have been made to the 3-SDU to address issues with saving, importing, and deleting projects using the configuration utility. If you continue to see File Access Denied error messages it may be related to the 3-SDU installation process. Windows 7 and later operating systems, do not allow any program to write to the root directory (C:\). If you have problems with locked files or if file access is denied we recommend reinstalling the 3-SDU and allowing the Borland Database Engine to install in a folder other than the root directory.

### **3-CPU RS232 Port 2 download issue at 38400 Baud**

When the serial port is configured as a printer on Port 1 and Gateway Type III (i.e. FireWorks) on Port 2, issues may occur when attempting to communicate to the control unit via Port 1. For example, when using the 3-SDU to communicate serially to the control unit using Port 1. Setting the baud rate for Port 1 to the same baud rate as Port 2 resolves this issue.

### **Using an asterisk (\*) symbol in 3-SDU object messages causes issues when importing OXP files into FireWorks**

FireWorks uses the asterisk symbol as a delimiter when importing object messages into the FireWorks system. To avoid possible issues we recommend that you do not use an asterisk in object messages.

### **CDR-3 Bell Coder resetting of events**

Resetting events other than alarm events is not supported by the CDR-3. Only alarm events should be used for CDR-3 coder operations.

### **Genesis common alarm NAC device types do not generate a warning during rules compile**

The 3-SDU Help topic “G\_CommonAlarmOutput device type” incorrectly shows that Genesis common alarm output NAC device types (alarm, supervisory, and trouble) configured on a PS10-4B power supply will respond to the Disable command in correlations. The common alarm, supervisory, and trouble outputs will activate even when disabled.

### **3-ANN series EVx annunciators require a 3-LCD or 3-LCDXL user interface**

An error occurs in the 3-SDU when converting a project database that includes an EVx 3-ANN series annunciator and when the system is configured without a 3-LCD user interface. The EVx 3-ANN series annunciators expect at least one 3-LCD or 3-LCDXL user interface to be configured in the system.

### **Language selection combinations in the 3-SDU**

The 3-SDU allows mixed selections of primary and secondary languages that can create unique menus when viewed on the control unit LCD screen. For example, you can select Hebrew (Israel) for the primary language and English (USA) as the secondary language. Typically the US menu selection might show, “4) sig. device test” positioned on the left side of the LCD screen. However when you switch from the primary language (Hebrew (Israel)) to the alternate language (English (USA)) the LCD screen displays the menu as “sig. device test 4)” positioned on the right side of the LCD. All menus, commands, and reports executed from the control unit operate properly even though the menus display incorrectly on the LCD.

### **Alternate message routing does not function for security events**

The 3-SDU 5.xx security events configured via the Activate menu as Alt Message Route or in the 3-SDU via a switch rule with the ALTMON output command, and on the 3-SDU Object Configuration, Msg Annunciation Route

Label as No\_Msg\_Annunciator\_Groups\_Route for all objects are displayed on the LCD screen, in error. The events are not displayed on the printer port, as expected.

### **CPU database conversion error message “External response longer than 3000 bytes”**

The 3-SDU limits system programming and configuration so that the system functions properly. The error message “External response longer than 3000 bytes for device” appears when the configuration is outside system design capabilities.

When the error message appears it indicates that too many output commands or outputs are qualified as part of the rule generating the error. To resolve the issues, we recommend:

- Break up the rule into multiple rules with the same input and split the number of outputs between the rules.  
— or —
- Configure command lists that are activated by the rule (preferred method). This is typically seen on an individual point programming basis.

**Note:** New EST3X features in such as IP accounts and email services present the possibility of the error message being displayed as users push the limits of the design. For example, you might add eight cabinets to the system and select Auto Generate Events when configuring each IP account, which creates more than 75 IP accounts. To avoid the issue evaluate the number of IP accounts using Auto Generate Events. For example, determine if all accounts must auto-generate events, or if individual rules programming across multiple cabinets (requiring additional ETH cards) using similar CMS account numbers could be implemented.

### **Incorrect personality code for CO devices**

The 3-SDU has been updated to detect invalid configuration settings for devices in the project database. During rules compile an error message displays for sensors that have incorrect personality codes. For example, “Invalid configuration: PHCOS device in Cab 1, Slot 4 Address 14 Personality 50 is not valid for COSetting of COSupervisory.”

If the error message appears, change the personality code.

#### **To change the personality code:**

1. In the Cabinet Configuration dialog box, select the cabinet, and then click the Modules tab.
2. Select the 3-SxDC1 loop controller where the CO device resides, and then click the LRM Config button.
3. Click the Loop x Modules tab, and then find the device.
4. Scroll to the Personality Code column and select the correct personality code from the list.
5. Click close.

### **SIGA-PHS common supervisory relay latches under some conditions involving sensor bypass**

When the SIGA-PHS device is configured for split supervisory/alarm operation the following sequence latches the supervisory relay (and any other rules based on the first supervisory response) in the ON state:

Activate Sensor  
Activate SensorBypass  
Restore Sensor  
Restore SensorBypass

To restore the latched supervisory relay (and anything that runs with first supervisory response), restart the control unit.

### **Communications error message “ie\_NOOpen - device not open”**

During communication between the control unit and the computer running the 3-SDU, the “ie\_NOOpen - device not open” error message may appear on the computer. This signifies that communication between the 3-SDU and control unit are not functioning properly.

#### **To restore communications:**

1. Close the 3-SDU, and then open it.  
If communication has not restored, go to step 2.
2. Close the 3-SDU, reboot the computer, and then open the 3-SDU.  
If communication has not restored, go to step 3.
3. Close the 3-SDU, reboot the computer, restart each control unit, and then open the 3-SDU.

### **Barcode worksheet is not creating correct barcodes**

When printing the Signature Detectors/Modules Barcode Worksheet, the barcode may not generate correctly for some device addresses. Therefore when scanning a device's address barcode the data may be incorrect, causing another device address to be selected in the Signature Series Configuration dialog box.

#### **To scan the correct device address barcode:**

1. In the Cabinet Configuration dialog box, select the cabinet, and then click the Modules tab.
2. Select the 3-SxDC1 loop controller where the device resides, and then click the LRM Config button.
3. Click the desired Loop x tab, and then find the device.
4. Click the device address, and then scan the serial number barcode to input it.
5. Click close.

### **Email “Sent” time in the header field may not show correct local time**

For an EST3X FACU configured to generate emails, the event time in the email body may differ from the sent time that shows in the email header field and Sent filter for the received email. The email body contains the time and date stamps from the EST3X control unit (the local control unit time and date). The control unit cannot be configured to translate the sent time into your local time zone.

Because the control unit does not support time zone configurations, emails sent from the control unit do not contain a time zone offset when generating the email format. The control unit uses -0000 for the time zone offset, meaning the time in the message format contains no information about time zone. Without the proper time zone offset the email send time may be interpreted as being sent using Coordinated Universal Time (UTC). (Refer to the Internet standard RFC 2822 *Internet Message Format* for details on date and time specifications.)

Depending on the configuration of your email viewer and its view settings, the email message received from the control unit may not appear in the correct order for your time zone when your email is filtered to include Sent time. For example:

You are located in the Eastern Time zone, and you configured the time zone on your device (cell phone, tablet, computer) to “(UTC -04:00) Eastern Time.”

At 2:17 PM (14:17) Eastern Daylight Time (EDT) the control unit goes into trouble and an email is sent immediately. The email body shows the correct time and date stamp for the control unit location:

```
"COMMON TRBL ACT 14:17:15 07/23/2015 P:01 C:03 D:0129  
Cab1_114 N_01_Slot_3_PULL_129"
```

At 2:18 PM EDT your email server receives the message.

Your email viewer is filtered to display Received time, which shows the message was received at 2:18 PM. Your email viewer is also filtered to display Sent time, which shows the email was sent at 10:17 AM.

Although the Sent time in your email viewer may appear to be incorrect, you can perform a simple calculation to confirm that it matches the email body. First, check your device's configured time zone. In the example, it was set to UTC -4:00 EDT. Apply the calculation as follows:

14:17 EDT (email body) – 04:00 hours = 10:17 AM (your email viewer)

#### **All active service group events display when not configured to display**

The Display Enabled list on the Configure > Cabinet > Options tab allows you to specify which events routed to the control unit you want the system to queue for display on the control unit. By default, the system will always display service group events when they go active whether you check the service group check box or not.

#### **Key Violation message appears when importing an audio clip file**

Do not import an audio clip file that has the same name as an existing file. Doing so may result in a "Key Violation" error message. If the error message appears, exit the audio tool, rename the file that you want to import, and then try to add the new clip (refer to the 3-SDU Help topic "Adding new audio clips"). If the issue persists, contact technical support.

#### **The Project Comparison Report does not show changes for message annunciation groups**

Because the Project Compare Utility does not compare message annunciation groups, no message annunciation group changes will appear in the Project Comparison Report.

#### **The Project Comparison Report does not show changes for KPDISP buzzer tones**

Because the Project Compare Utility does not compare KPDISP buzzer tones, no KPDISP buzzer tone changes will appear in the Project Comparison Report.

#### **Project files not completely deleting**

When you delete a currently open project (Project > Delete), the corresponding project folder may be locked, causing an error. To resolve this, close the 3-SDU to unlock the folder, and then reopen the utility.

#### **Root certificate is not found during database conversion**

For a project configured to use SSL encryption when transmitting system events using email SMTP servers, the database conversion may abort if the root certificate location has been changed from its configured location in an exported project.

To avoid this issue, ensure that the certificate is located in the same directory location and folder as the computer from which the project was exported. We recommend that you always copy the certificate into the 3-SDU WORK folder.

#### **To configure the root certificate location:**

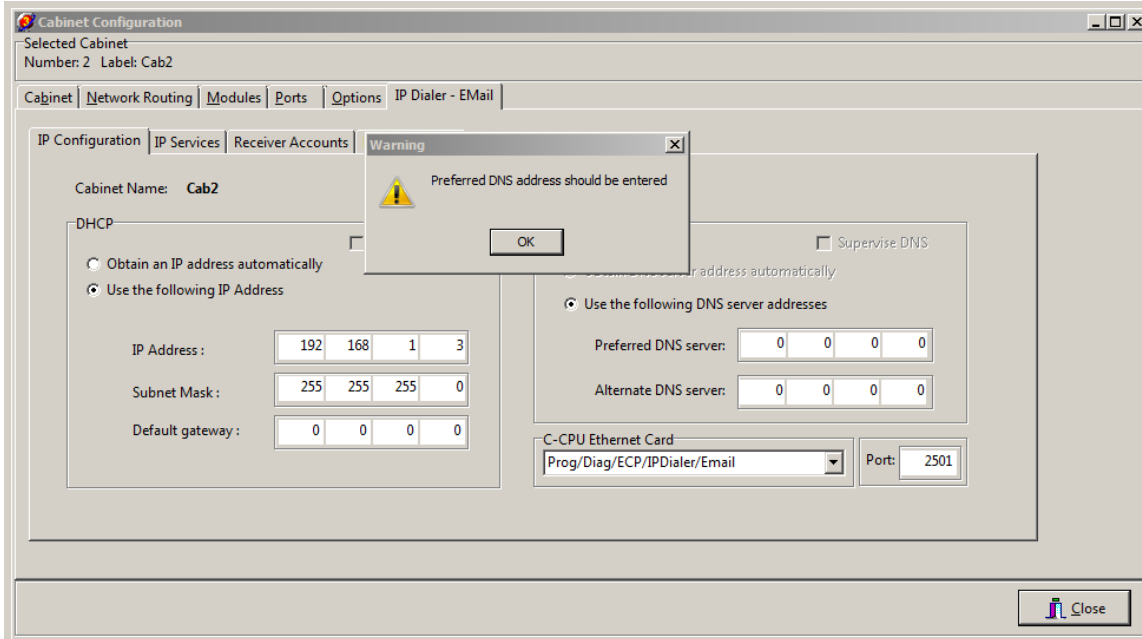
1. Open the project in the 3-SDU.
2. Copy the root certificate (PEM or DER file) into the 3-SDU WORK folder. For example, C:\FAST\3-SDU\WORK.
3. Save the project.

#### **Changing the Device Type of an MCC2A or CC2A dual address module**

When changing the Device Type in the Modules tab on the Signature Series Configuration dialog box (Configure > Cabinet > Modules > 3-SxxC1 > LRM Config > Modules) for an MCC2A or CC2A dual address module, the Device Type for the second module does not automatically change. You must manually change the Device Type for both modules.

## Preferred DNS address warning message

For an EST3X FACU, when configuring the DHCP settings on the IP Configuration dialog box (Configure > Cabinet > IP Dialer - Email > IP Configuration), if you select “Use the following IP Address”, the 3-SDU automatically selects “Use the following DNS server address” in the DNS settings. If you try to close the configuration dialog box without changing the default Preferred DNS server address (0.0.0.0), a warning message appears requiring you to enter an address, as shown on page 23.



A DNS server is only required if communicating to control units or other network devices by name. However, if the “Use the following DNS server addresses” option is selected, you must enter a non-zero address for the preferred DNS server in order to close the configuration dialog box.

If your system does not require DNS communication, then enter any non-zero value as the Preferred DNS server address. For example, 8.8.8.8, which is Google’s public DNS server address. Click Close to exit the configuration dialog box.

## Downloadable 3-PS/M check box not described in 3-SDU 5.46 Help

A “Downloadable 3-PS/M” check box now appears on the Cabinet Configuration > Modules tab. The check box has been included in 3-SDU 5.46 in advance of the release of the new Edwards 4-PPS/M power supply that will be a drop-in replacement of legacy 3-PPS/M, 3-BPS/M, and 3-BBC/M power supply modules.

Checking the Downloadable 3-PS/M check box allows you to download microcode to the 4-PPS/M power supply.

**Note:** For cabinets that have legacy 3-PPS/M, 3-BPS/M, or 3-BBC/M power supplies, when the Downloadable 3-PS/M check box is checked and you attempt to download microcode a timeout message appears.

### To download microcode to the 4-PPS/M power supply:

1. From the Configure menu, select Cabinet, and then select the cabinet with the 4-PPS/M.
2. Click the Modules tab, check the Downloadable 3-PS/M check box on the Hardware Layer tab, and then close the window.
3. From the Tools menu, select Communications.
4. In the Action column:

Click the 3-PS/M action box for Data Type > Code and select Download.

Click the 3-PS/M action box for Data Type > Bootstrap and select Download.

5. Click Download/Upload.
6. On the LRM Communications dialog box, click Start.

### **3-SDU not returning to primary laptop monitor properties after using an external monitor**

When you use the 3-SDU with a monitor external from the primary laptop and then disconnect the external monitor, the 3-SDU may freeze.

#### **To reset the 3-SDU default window properties:**

1. Reconnect the external monitor, and then open the 3-SDU.
2. Reset the 3-SDU default window properties:

From the 3-SDU Options menu, select Customize, and then click the Behavior tab.

Click Reset default window sizes & positions.

— or —

Open the Windows Task Manager, and then click the Processes tab.

Select System Definition Utility, and then click End task.

### **Revisions report displays 4-PPS/M microcode and hardware version numbers in legacy format**

The 4-PPS/M Revisions report on the control unit LCD screen will continue to use the same display format that was used for legacy 3-PPS/M, 3-BPS/M, or 3-BBC/M power supplies.

#### **Example:**

APP: 04.00.10

BOT: 01.00.00

DB: 04.00.10

#### **Where,**

APP displays the microcode version number for the PSMON monitor card (.app microcode),

BOT displays the PSMON's hardware version, and

DB displays the microcode version of the PPS mainboard (.bot microcode).