

SIEMENS



APOGEE License Manager Start-up Procedures

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To the Reader

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Document Overview

This document outlines the process of requesting licenses, installing features, loading licenses, and verifying operation of the licensed features.



NOTE:

Since multiple individuals participate in the License Manager process, not all portions of this document apply to all users.

License Manager Product Overview

A firmware license allows users to unlock features within a field panel. The Firmware License Manager must be used to obtain a firmware license.

The licenses used to activate features are associated with a specific field panel through the ID_STRING. The ID_STRING uniquely identifies a piece of hardware; it is burned into the field panel's EEPROM and read by software and firmware.

The ID_STRING is composed of the panel's part number, revision, year and week of manufacture, and serial number. Therefore, a license for one field panel will not work on another field panel. Information for the ID_STRING can be found:

- Printed on a label adhered to the outside of the field panel,
- Printed on a label adhered to the outside of the field panel shipping box, or
- Burned into the field panel's non-volatile memory and read through Commissioning Tool (CT), Insight software, or the field panel HMI.



CAUTION

Order the Correct License

Licenses *cannot* be returned or refunded once they are activated through License Manager. Be sure to order the correct license.

Definitions

- A *feature* is an application or additional functionality that can be added to a field panel without the need to replace the hardware. Some features require a firmware flash.
- A *license* is the code provided by Siemens Industry to unlock a feature.
- The *ID_STRING* is a unique identifier that distinguishes an individual piece of hardware. It is composed of the panel's part number, revision, year and week of manufacture, and serial number. Therefore, a license for one field panel will not work on another field panel.
- An *Entitlement* contains the license(s) ordered.
- An *Entitlement ID* is the SAP Purchase Order number or Reference number from the Advanced Shipping notice and your 3 character organization code.

Minimum Firmware and Software Revisions Required

Field Panel Firmware

Field panels with Firmware Revision 2.8.2/3.0.1 and later have the License Management attribute. The following list provides the minimum firmware revision required for each type of field panel:

- PXC-16 or PXC-24: 2.8.3/3.1
- PXC-36: 2.8.5/3.2
- PXC Modular: 2.8.2/3.0.1
- Integration Drivers on PXC Modular: 2.8.2/3.1

Commissioning Tool (CT) and Insight Software

Commissioning Tool (CT) and Insight software must be at minimum Revision levels to license specific options.

For example, Commissioning Tool (CT) and Insight software must be at Revision 3.8.1 (P2)/3.9.1 (BACnet) or later for the License to enable FLN support on models PXC-16-EF.A or PXC-24-EF.A (LSM-FLN.A).

Refer to the *Field Panel Configuration and Sizing* documents or the *Availability List* (126974.xls) to determine which protocols are supported with each firmware type.

Start-up Order of Operation

The following table outlines the start-up order of operation, from engineering the job to licensing features. Individual steps of the process may vary to reflect the installation at a specific job.

	Step	Individual	Tool(s)
	Engineering the job, specifying the devices, accessories, and features.	Design Engineer	Design Tool (DT)
	Ordering the hardware and features.	Design Engineer	Design Tool (DT)
1.	Installing the Hardware [→ 6]	Specialist	–
2.	Getting the Field Panel ID_STRING [→ 6]	Design Engineer or Specialist	Commissioning Tool (CT) Insight software HMI Interface
3.	Generating the Appropriate Licenses [→ 11]	Design Engineer or Specialist	Internet browser
4.	Starting up the Field Panel [→ 17]	Specialist	–
5.	Installing the Features [→ 18]	Specialist	–
6.	Verifying Installation of the Features [→ 18]	Specialist	Commissioning Tool (CT) Insight software HMI Interface
7.	Loading the Licenses [→ 20]	Specialist	Commissioning Tool (CT) Insight software
8.	Verifying Installation of the Licenses [→ 26]	Specialist	Commissioning Tool (CT) Insight software HMI Interface

1 – Installing the Hardware



NOTE:

A license must be ordered and installed for each feature.

Each field panel using licensed features needs its own set of licenses.

1. Follow the *Installation Instructions* for the hardware and accessories at the job site.
2. Before you begin the *Start-up Procedures* for the hardware, complete the following procedures in this document:
 - 2 – Getting the Field Panel ID_STRING [→ 6]
 - 3 – Generating the Appropriate Licenses [→ 11]

2 – Getting the Field Panel ID_STRING

The field panel ID_STRING is a unique identifier that distinguishes an individual piece of hardware. The ID_STRING is burned into the field panel's non-volatile memory and is part of that device for the duration of its functional life.

Use one of the following to get the field panel ID_STRING:

- Online Commissioning Tool (CT) or Insight software.
- Offline Commissioning Tool (CT).
- The field panel HMI.
- Field Panel Web Server (FW 3.5 or later) or Launch Pad.
- The field panel or shipping box label.



NOTE:

PXC Modular controllers with a date code earlier than **071107Axxxx** (YYMMDD), may have an incorrect date/serial code on the field panel. In this case, obtain the ID_STRING from the Insight workstation, Commissioning Tool, or the field panel HMI.

Using Online Commissioning Tool or Insight Software

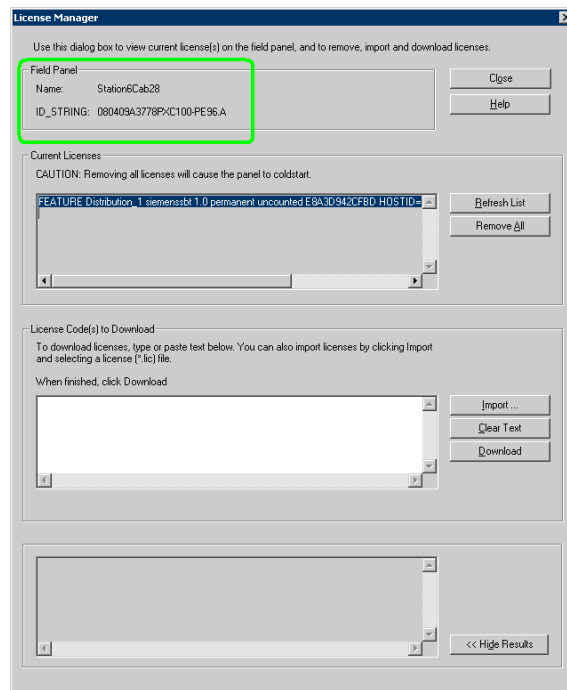
This procedure uses Commissioning Tool (CT) or Insight Revision 3.8.1 (P2)/3.9.1 (BACnet) or later.

Selecting the Field Panel in System Profile

1. Open Commissioning Tool (CT) or Insight software.
2. Open System Profile.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.

Displaying the ID_STRING

1. Select **Context > Diagnostics**.
 2. Click the **License Manager** button.
 - ⇒ As shown in the following illustration, the ID_STRING is displayed at the top of the License Manager dialog box.
 3. Record the ID_STRING.
 4. Close the dialog box.
- ⇒ Continue with Procedure 3 – Generating the Appropriate Licenses [→ 11].



ID_STRING Displayed in the License Manager Dialog Box.

Using Offline Commissioning Tool

This procedure uses Offline Commissioning Tool 3.8.1 or later to get the field panel ID_STRING. (NOTE: There is an issue with getting the ID_STRING of a Field Panel using CT Offline; this issue is being evaluated.)

Identifying the Field Panel

1. Open Offline Commissioning Tool.
2. Open MMI Database Transfer.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.
5. Verify the RJ-11 connection between the computer and field panel.
6. Click the **Direct Connect** button to establish connection.
7. Once connection is made, click the **ID** button.

1. Open System Profile.

- ⇒ The License Manager dialog box displays the ID_STRING.

- ⇒ Continue with Procedure 3 – Generating the Appropriate Licenses [→ 11].

The ID_STRING is case-sensitive. Just like a password, the License generator recognizes the difference between an uppercase letter and a lowercase letter and will generate a different license file for each.



When you copy-and-paste the ID_STRING, do not copy a line that wraps or contains a hard return. The line break adds an invisible or extra character that causes the License generator to create a license code that will not work with the controller.

1. Establish HMI communications with the field panel.

- **S, H, L, D, S, H** (System, Hardware, Licensemanager, Display, Singlenode, Here)

- ⇒ The system displays a License Manager report.

- ⇒ As shown in the following example, the field panel ID-STRING is listed in the first line of the report (bold added for emphasis).

- ⇒ Continue with Procedure 3 – Generating the Appropriate Licenses [→ 11].



The following example report has been truncated.

```
ID_STRING = 070419Z560PXC100-PE.A
```

License is not installed

Feature is installed

License is installed

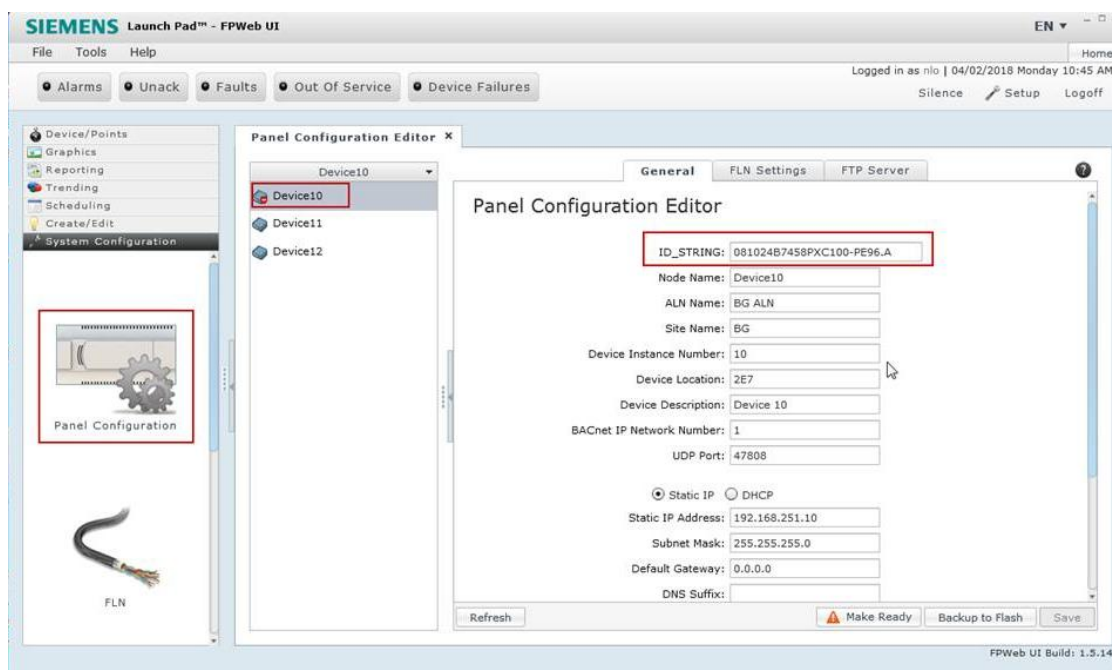
Feature is installed

Using FPWeb with Firmware Revision 3.5

Firmware 3.5 and higher streamline the licensing process. Fewer steps are needed to find the ID_STRING, improving operational efficiency. The Panel ID_STRING is always available through the standard HMI. It is now available as part of the Panel Configuration screen of Field Panel Web.

The **Panel Configuration Editor** allows you to display the ID_STRING in the **General** tab.

1. Select **System Configuration** in the far left navigation pane.
2. Select **Panel Configuration**.
3. Select the **Device** from the list.
4. The **Panel Configuration Editor** allows you to display the ID_STRING in the **General** tab.



Using the Field Panel or Shipping Box Label



NOTE:

Using the field panel label is not the preferred method for creating the ID_STRING. Due to the likelihood for error, it is best to use copy-and-paste to make sure that the ID_STRING exactly matches the controller. Any error in the ID_STRING will create a license code that will not work.



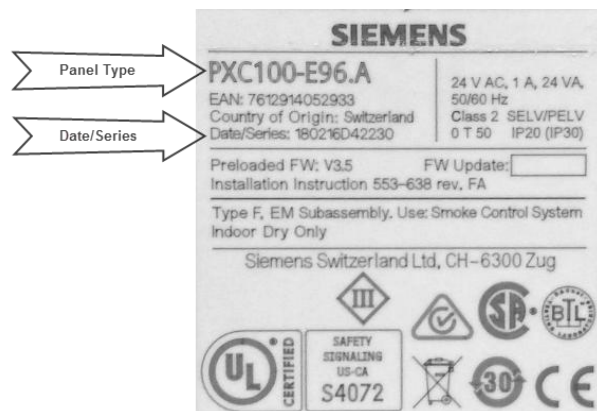
NOTE:

The ID_STRING is case-sensitive. Just like a password, the License generator recognizes the difference between an uppercase letter and a lowercase letter and will generate a different license file for each.

**NOTE:**

PXC Modular controllers with a date code earlier than **071107Axxxx** (YYMMDD), may have an incorrect date/serial code on the field panel. In this case, obtain the ID_STRING from the Insight workstation, Commissioning Tool, or the field panel HMI.

The information for the ID_STRING is printed on the field panel label.



Sample Field Panel Label

1. Create the ID_STRING by combining the Field Panel Type and the Date/Serial Code.
 - PXC Modular Series ID_STRING = Date/Serial Code + Field Panel Type
 - PXC Compact Series ID_STRING = Field Panel Type + Date/Serial Code
 - ⇒ See the following examples and illustrations.
2. Record the ID_STRING.
 - ⇒ Continue with Procedure 3 – Generating the Appropriate Licenses [→ 11].

PXC Modular Example

- PXC Modular field panel type: **PXC100-PE.A**
- Date/Serial code: **070419Z560**
PXC Modular Series ID_STRING = Date/Serial Code + Field Panel Type
- Therefore, the ID_STRING for this PXC Modular is **070419Z560PXC100-PE.A**

PXC Compact Example

- PXC Compact field panel type: **PXC36-EF.A**
- Date/Serial code: **070419Z560**
PXC Compact Series ID_STRING = Field Panel Type + Date/Serial Code
- Therefore, the ID_STRING for this PXC Compact is **PXC36-EF.A070419Z560**

3 – Generating the Appropriate Licenses

In order for the desired features to operate, a license must be generated and installed for each feature.



NOTE:

The steps in this section must be performed for each licensed feature for each field panel.

For each field panel controller with licensed features, gather the following information:

Siemens Industry Branches

- SAP Purchasing Group ID for your branch
- SAP Purchase Order Number
- Product Number
- Field panel controller ID_STRING
- Email address where license(s) should be emailed

International Locations and Independent Field Offices (IFOs)

- Reference Number (located in the upper right corner) from your advanced shipping notification (ASN) label
- Product Number
- Field panel controller ID_STRING
- Email address where license(s) should be emailed

SIEMENS
Delivery # 186200901

Advanced Shipping Notification

Date Shipped 02/15/2018	
Customer No 30127165	Reference # 450252288
Sales Order 3007015009	Page 1 of 1

Sold To:	Ship To:	Carrier/Forwarding Agent:
MICONTROLS INC PO Box 80686 SEATTLE WA 98108-0686 USA	MACDONALD MILLER PO# 254134 WOODBURN 12911 NE AIRPORT WAY PORTLAND OR 97230 USA	
Notes: Shipping terms: Prepaid and Add - PLANT		

Line Item	Material Number/Description	U/M	Qty
10	LSM-FPWEB.T / P55801-Y105 FP WEB SERVER LICENSE Handling unit:	PC	1



NOTE:

It can take 1 or more hours after an order is placed for the ASN to be received. Please plan accordingly when ordering licenses.

Accessing the License Manager Tool

1. Access the License Manager tool using the link below.

– <https://extranet.w3.siemens.com/buildingtechnologies/partner/CPSUSEN/Pages/default.aspx>.

2. When the License Manager tool loads, the **Login** screen displays.

⇒ The Entitlement ID (**Order number** or **Reference number**) determines what licenses can be generated.



NOTE:

The Entitlement ID is case-sensitive.



NOTE:

For International Locations and IFOs, the Purchasing Group ID is **BQB**.

⇒ For New Zealand orders, the Purchasing Group ID is usually **BQB**. However, occasionally, the Group ID will be **BQF**. If the BQB suffix does not allow access to the License Manager, use BQF.

3. Create the Entitlement ID

- For Siemens Industry Branches,

Entitlement ID = Purchase Order Number + Purchasing Group ID

- For International Locations and IFOs

Entitlement ID = Reference Number from the Advanced Shipping Notification + Purchasing Group ID

- ⇒ **Example Entitlement ID**

Purchase Order number or Reference Number: **4500940360**

Branch Purchasing Group: **BGA** (Chicago Branch)

Therefore, this Entitlement ID is **4500940360BGA**

4. Log in to License Manager by entering your **Entitlement ID** and click **Login**.

SIEMENS

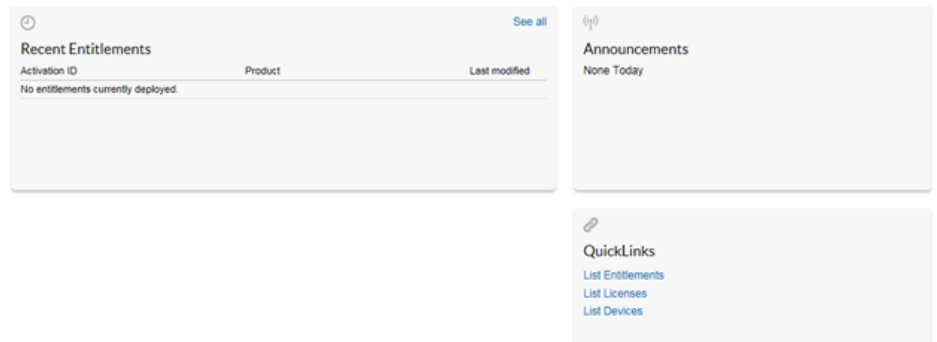
Login

Entitlement ID

Login

⇒ The **License & Delivery Portal** displays.

License & Delivery Portal



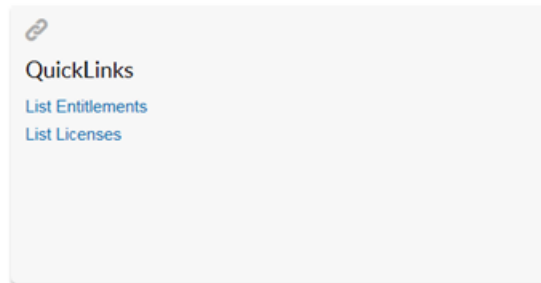
Activating Line Items



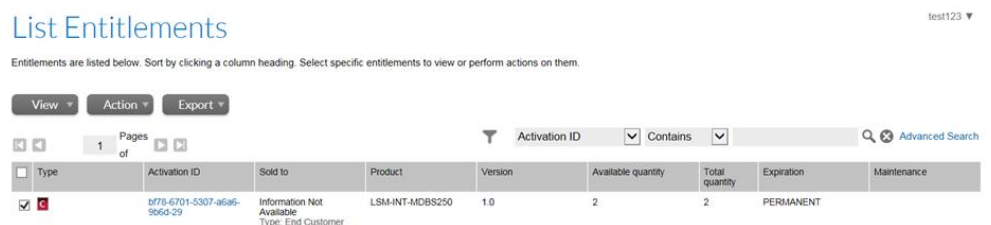
CAUTION

Pay special attention to the feature you are licensing. Make sure that it is being licensed to the correct field panel. This is *very* important, especially when you have multiple features in your Purchase Order.

1. From the License & Delivery Portal, click on **List Entitlements** under Quick Links.



2. Click in the **checkbox** to the left of the item you want to select.



3. Select **Action>Activate**.



4. In the Activate Licenses screen, enter your email address in the “Ship to” email field and click **Next**.

Activate Licenses
Please add or select at least one host and click Next to configure counts.

Generate Licenses

Send to: Customer Care Buffalo Grove
Ship-to email: [input field]
Ship-to address: [input field]

Selected line items:

Activation ID	Product	Expiration date
2020-csae-1195-6581-3n7-LSM-VAEM	LSM-VAEM	PERMANENT

Cancel Next

5. In the Configure Hosts screen, click **Add** (green plus) to enter your Host ID string.

Configure Hosts
Please enter values for the hosts and click Verify to validate the license. Or click Generate to generate the license.

Configure Hosts

Server hosts: 1 (no license hosts selected)

[Add] [Verify] [Generate]

Selected line items:

Activation ID	Product	Expiration date
2020-csae-1195-6581-3n7-LSM-VAEM	LSM-VAEM	PERMANENT

Cancel Back Generate

6. Enter the **ID_STRING** from the Field Panel or workstation, click **OK**. See Procedure 2 – Getting the Field Panel ID_STRING [→ 6].

Configure Hosts
Please enter values for the hosts and click Verify to validate the license. Or click Generate to generate the license.

Configure Hosts

Server hosts: 1 (no license hosts selected)

[Add] [Verify] [Generate]

Create License Host
Please select a license host type and enter an appropriate value.

Node locked hosts: ID_STRING [input field]

OK Cancel Back Generate



WARNING

Once the license is generated, it is tied to the ID_STRING and cannot be used again. *Be sure to enter the ID_STRING correctly.* The ID_String **must** be cut and pasted **exactly** as it appears in the firmware. Do not rearrange the ID_STRING. The ID_STRING for the PXC Modular and PXC Compact look different; therefore, they should not be made to look like each other.

7. The ID_STRING appears in the Server hosts field, click **Generate**.

Configure Hosts
Please enter values for the hosts and click Verify to validate the license. Or click Generate to generate the license.

Configure Hosts

Server hosts: 1 ID_STRING-07070APXC100-PE9

[Add] [Verify] [Generate]

Selected line items:

Activation ID	Product	Expiration date
2020-csae-1195-6581-3n7-LSM-VAEM	LSM-VAEM	PERMANENT

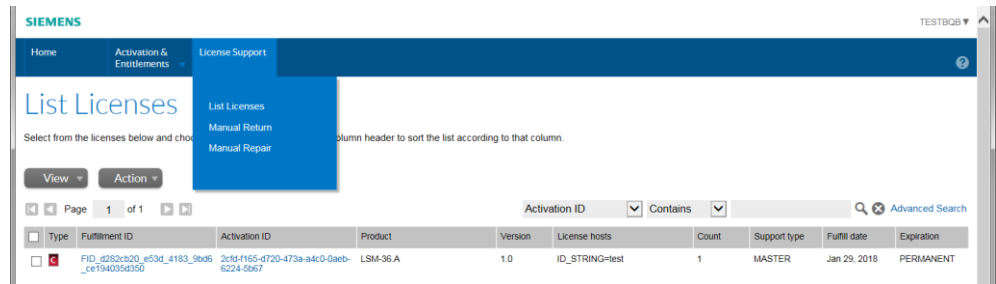
Cancel Back Generate

8. Click **Complete**.

Completing the License Generation

You may save and/or email the license.

- From the main menu, select **License Support > List Licenses**.



Do the following to save the license to your local or networked drive:

- Click the checkbox next to the ID in the License Summary list.
- Click **View > Save to File**.



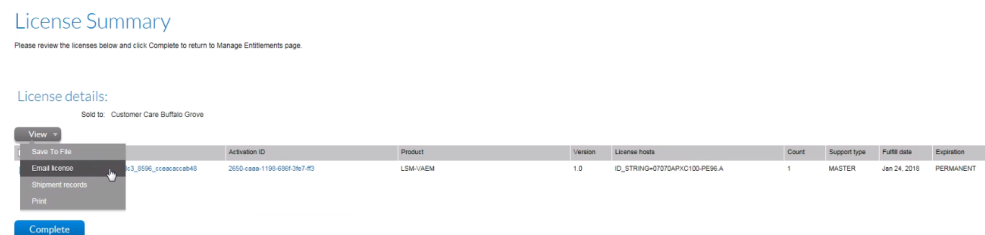
⇒ The **Open / Save** bar displays.



- Click **Open / Save / Save As...** and store the file in the desired location. .


Do the following to email the license:

- Click the checkbox next to the ID in the License Summary list.
- Click **View > Email License**.



3. In the **Ship to Email** field, specify one or more email address (use a comma to separate email addresses).

Email Details

Ship-to email: * 

Subject: License for your product is attached

Body content: These licenses were generated and fulfilled using FlexNet Operations.
FlexNet Operations is an integral part of Flexera's Entitlement Relationship Management Solution (ERMS).
Software and hardware publishers use FlexNet Operations to automate the entire license management and entitlement lifecycle.

Thank you for your interest in products from XYZ Corporation.
Your license file is attached to this email message.

Fulfillment ID: FID_6a45a602_c011_48c3_8596_cceacaccab48

EntitlementID: 4501087571BQB

Partner Tier Name: End Customer
Org Name: Customer Care Buffalo Grove
Contact Name:

ActivationID: 2650-caaa-1198-686f-3fe7-ff3

Product Name: LSM-VAEM
Product Version: 1.0
Product Description: Virtual AEM

Activation Date : Jan 24, 2018
Start Date : May 6, 2008
Expiration Date : PERMANENT
Fulfillment Count : 1
Overdraft Count : 0

License Model Name : Embedded_V2

License Model Attributes :

ALLOW_ONE_TERMINAL_SERVER :false
ALLOW_TERMINAL_SERVER :false

If you have any questions about your licenses, please contact orders@xyzcorp.com.

4. Click **Send**.

⇒ A confirmation message displays.

The screenshot shows an email interface. At the top, a blue banner states 'Email sent to the recipients mr.smith@siemens.com.' Below this is the title 'Send License File Via Email' in large blue font. A subtitle reads 'Specify email address where license file will be sent.' The main section is titled 'Email Details' and contains the following information:

- Ship-to email:** * mr.smith@siemens.com (with a search icon)
- Subject:** License for your product is attached
- Body content:** These licenses were generated and fulfilled using FlexNet Operations. FlexNet Operations is an integral part of Flexera's Entitlement Relationship Management Solution (ERMS). Software and hardware publishers use FlexNet Operations to automate the entire license management and entitlement lifecycle.

Below the body content is a dashed line separator, followed by the text: 'Thank you for your interest in products from XYZ Corporation. Your license file is attached to this email message.'

Further down, the following IDs are listed:

- Fulfillment ID: FID_6a45a602_c011_48c3_8596_cceacaccab48
- EntitlementID: 4501087571BQB
- Partner Tier Name: End Customer
- Org Name: Customer Care Buffalo Grove
- Contact Name:

At the bottom, more details are provided:

- ActivationID: 2650-caaa-1198-686f-3fe7-f3
- Product Name: LSM-VAEM
- Product Version: 1.0
- Product Description: Virtual AEM

⇒ You will be returned to the Manage Entitlements screen.

- Do one of the following:
 - If you have additional licenses to generate, return to the section Activating Line Items [→ 13].
 - Otherwise, continue with Procedure 4 – Starting up the Field Panel [→ 17].

4 – Starting up the Field Panel

1. Begin the *Start-up Procedures* for the hardware and accessories at the job site.



NOTE:

The last step of the *Start-up Procedures* is to perform a database transfer. Before performing the database transfer, complete the remaining steps in this document to install the features and load the licenses in the appropriate field panels.

2. Continue with one of the following:
 - Procedure 5 – Installing the Features [→ 18].
 - Procedure 6 – Verifying Installation of the Features [→ 18].

5 – Loading the Firmware for Required Features



NOTE:

All Integration drivers require a separate firmware load.

For further information about loading the firmware, please reference the *Technical Manual* for the Integration Driver that is being installed. You must load the driver firmware and install the license to enable communication to the integrated system or devices.

All features, including Integration Drivers, need to be enabled with a license string. Most licensable features are already embedded in the firmware and a separate firmware load is not required.

- ▷ Load the latest firmware to access the latest features.
- ▷ Integration Drivers require a separate firmware load.
- Load the firmware for the appropriate Driver at this time.

6 – Verifying Installation of the Features

- Use one of the following to verify installation of the features:
 - Commissioning Tool (CT) or Insight software.
 - The field panel HMI.

Using Online Commissioning Tool or Insight Software

This procedure uses Commissioning Tool (CT) or Insight Revision 3.8.1 (P2)/3.9.1 (BACnet) or later.

Selecting the Field Panel in System Profile

1. Open Commissioning Tool (CT) or Insight software.
2. Open System Profile.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.

Verifying that the Desired Features Are Installed

1. Select **Context > Diagnostics**.
2. Click the **Services Supported** button.
 - ⇒ The Services Supported dialog box displays.
3. Review the Services Supported section of the dialog box and verify that the desired Services (features) are listed. If the Service is listed, it has been installed.

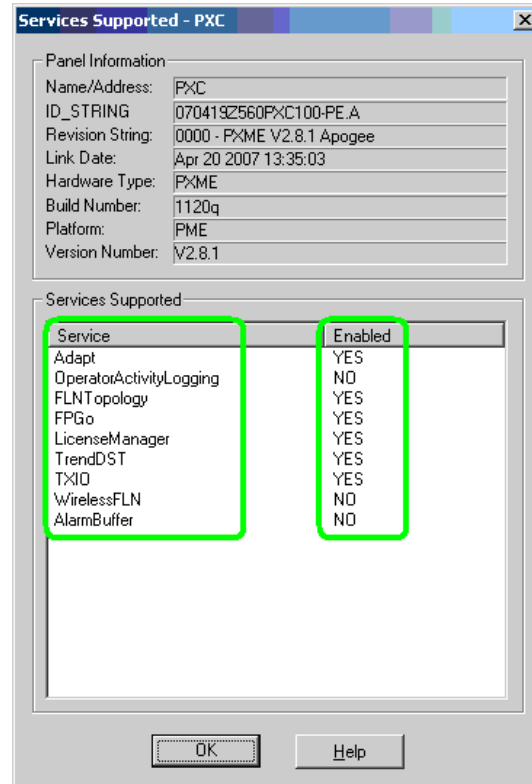


NOTE:

The Enabled column of the Services Supported section indicates if the service (feature) is properly licensed. For more information, see Procedure 8 – Verifying Installation of the Licenses [→ 26].

4. Close the dialog box.

⇒ Continue with Procedure 7 – Loading the Licenses [→ 20].



Using the Field Panel HMI

This procedure uses an HMI connection and Firmware Revision 2.8.2/3.0.1 or later to verify that the desired features are installed in the field panel.

1. Establish HMI communications with the field panel.
2. From the HMI main menu, type the following letters in sequence:
 - **S, H, L, D, S, H** (System, Hardware, Licensemanager, Display, Singlenode, Here)
 - ⇒ The system displays a License Manager report.
3. Review the information under the **Application Name**, **License**, and **Tasks Attached** headings and verify that the desired features (tasks) are installed.
 - ⇒ If feature is not listed under **Application Name**, it is neither installed nor licensed.
 - ⇒ If **Tasks Attached** = 1, the feature is installed
 - ⇒ If **Tasks Attached** = 0, the feature is not installed.

**NOTE:**

If the feature is listed under **Application Name**, it may not be properly licensed. For more information, see Procedure 8 – Verifying Installation of the Licenses [→ 26].

⇒ Continue with Procedure 7 – Loading the Licenses [→ 20].

**NOTE:**

The following example report has been truncated.

```
>Point, Application, Time, Message, Cancel, System, passWord, Bye? S
>Diagnostics, Users, dAtes, deStinations, Error_msgs, Hardware, Text, Quit? H
>Fieldpanels, Ethernet, nodeNameetable, Disks, Licensemanager, Quit? L
>Log, Display, Add, dElete, Removall, Quit? D
>Singlenode, Allnodes      : S
>Here, Printer            : H

05/14/2007 MON          LICENSE MANAGER REPORT          09:15
-----

Field panel: PXC              ID_STRING = 070419Z560PXC100-PE.A

Application Name = FPGO
License = FEATURE FPGO siemenssbt 1.0 permanent uncounted F6DC2757748B \
HOSTID=ID_STRING=EBSn0006 ← License is installed
Application Limit = None
Expired = NO
Tasks Attached = 1 ← Feature is installed

Application Name = TXIO
License Line 1: =
  DEFAULT TXIO 120 siemenssbt 1.0 permanent uncounted 11111111 HOSTID=ID STRING=
070419Z560PXC100-PE.A ← License is installed
Application Limit = 120
Expired = NO
Tasks Attached = 1 ← Feature is installed
...
```

7 – Loading the Licenses

After acquiring the licenses for the desired features, you must load the licenses into the field panel.

Use one of the following to load licenses:

- Online Commissioning Tool (CT) or Insight software.
- Offline Commissioning Tool (CT).
- Launch Pad for firmware 3.3.1 or higher
- The field panel HMI.

**NOTE:**

An Integration Driver needs a valid license to enable the updating of data point values.

Without a valid license, the Integration Driver functions as expected with the exception that values received from the third party do not reach the data points, commanding is enabled, and you can establish communication to the third party system. A License file can be loaded through Commissioning Tool (CT), Insight software, or manually through the HMI.

The license is normally distributed as a file with the extension **lic**.

Using Online Commissioning Tool or Insight Software

This procedure uses Commissioning Tool (CT) or Insight Revision 3.8.1 (P2)/3.9.1 (BACnet) or later.

Selecting the Field Panel in System Profile

1. Open Commissioning Tool (CT) or Insight software.
2. Open System Profile.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.

Importing and Downloading the Licenses

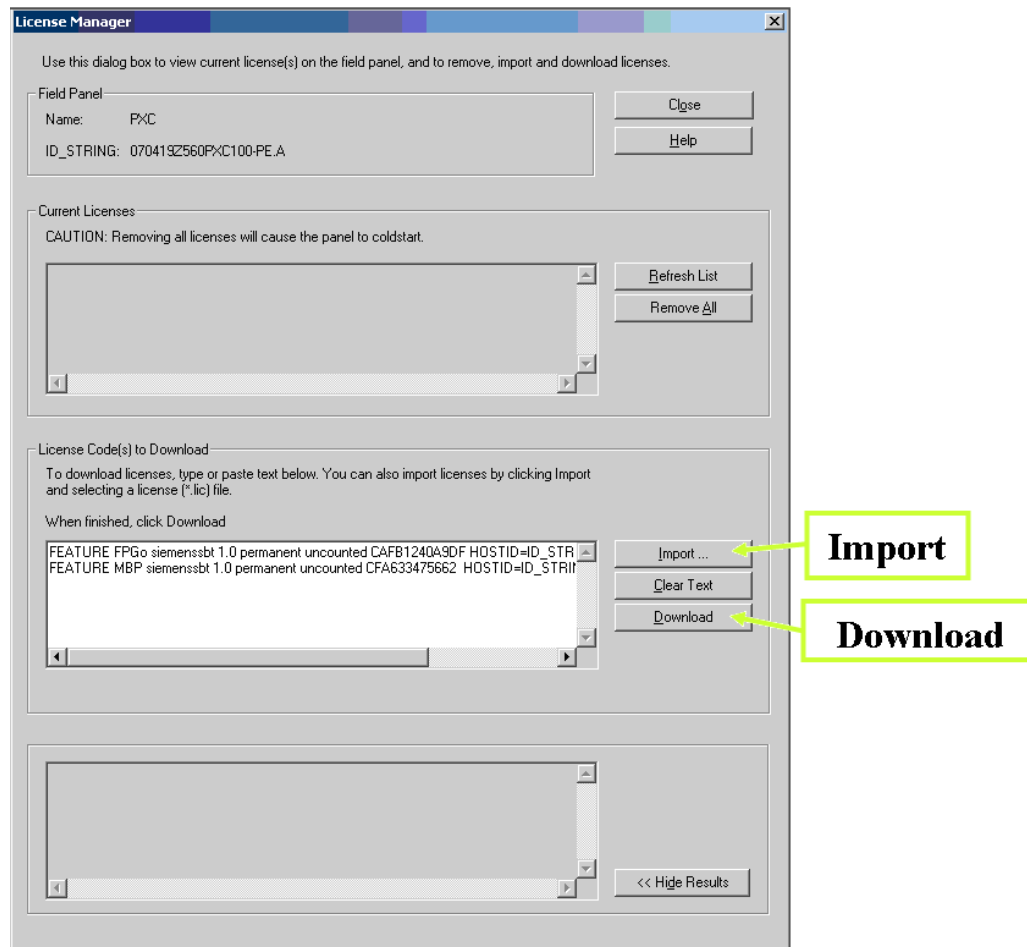
1. Select **Context > Diagnostics**.
2. Click the **License Manager** button.
⇒ The License Manager dialog box displays.
3. Click the **Import** button.
⇒ A browser dialog box opens.



NOTE:

By default, the folder for the selected field panel displays. If the license is stored in a different folder, use the browser to locate the license.

4. Double-click the license file (*.lic) or select the file and click **OK**.
⇒ The browser dialog box closes.
5. Click the **Download** button.
⇒ License installation begins. Results of the download are displayed at the bottom of the dialog box.
6. When all licenses are correctly installed, close the dialog box.
⇒ Continue with Procedure 8 – Verifying Installation of the Licenses [→ 26].



Using Offline Commissioning Tool

This procedure uses Offline Commissioning Tool 3.8.1 or later to load licenses for the desired features.

Identifying the Field Panel

1. Open Offline Commissioning Tool.
2. Open MMI Database Transfer.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.
5. Verify the RJ-11 connection between the computer and field panel.
6. Click the **Direct Connect** button to establish connection.
7. Once connection is made, click the **ID** button.

Importing and Downloading the Licenses

1. Open System Profile.
2. Select **File > License Manager**.
 - ⇒ The License Manager dialog box displays.
3. Click the **Import** button.
 - ⇒ A browser dialog box opens.



NOTE:

By default, the folder for the selected field panel displays. If the license is stored in a different folder, use the browser to locate the license.

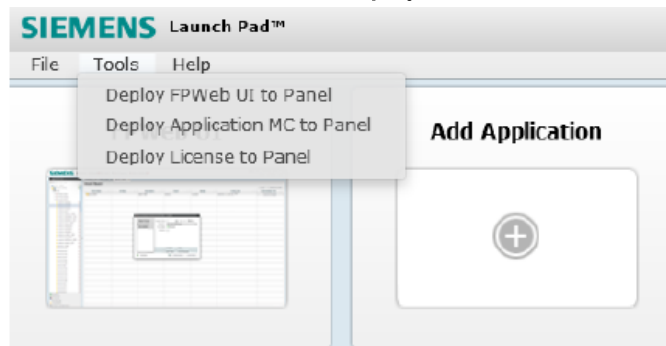
4. Double-click the license file (*.lic) or select the file and click **OK**.
 - ⇒ The browser dialog box closes.
5. Click the **Download** button.
 - ⇒ License installation begins. Results of the download are displayed at the bottom of the dialog box.
6. When all licenses are correctly installed, close the dialog box.
 - ⇒ Continue with Procedure 8 – Verifying Installation of the Licenses [→ 26].

Using Launch Pad in Firmware 3.3.1 or later

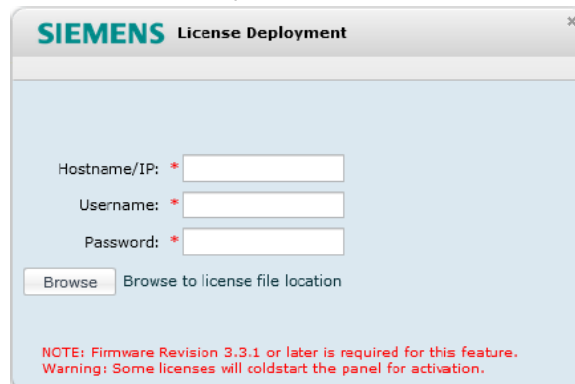
This procedure uses Launch Pad in Firmware 3.3.1 or later to load licenses for the desired features.

To deploy a license using the Siemens Launch Pad:

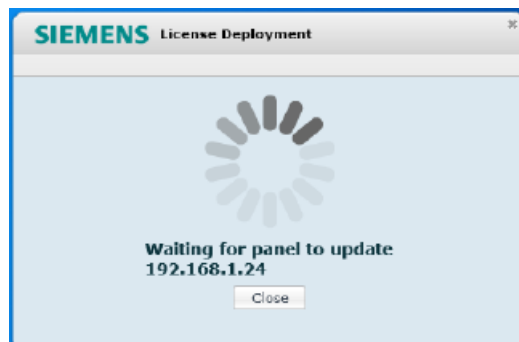
1. From the **Tools** menu, click **Deploy License to Panel**.



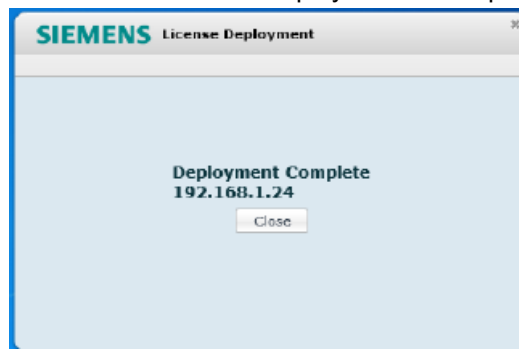
⇒ The **License Deployment** dialog box displays.

The image shows the 'SIEMENS License Deployment' dialog box. It has a title bar with the Siemens logo and the text 'License Deployment'. The main area contains three input fields: 'Hostname/IP: *', 'Username: *', and 'Password: *'. Below these is a 'Browse' button and the text 'Browse to license file location'. At the bottom, there is a red note: 'NOTE: Firmware Revision 3.3.1 or later is required for this feature. Warning: Some licenses will coldstart the panel for activation.'

2. In the Hostname/IP field, enter the name or the IP address of the panel to which you are deploying a license.
3. Enter a valid user name and password.
4. Click **Browse** to browse to the license file location. The application automatically filters for the .lic file type.
5. Choose the appropriate license file.
NOTE: Some licenses will coldstart the panel for activation.
6. Click **Open**. A status message displays. The license deployment may take a few minutes.



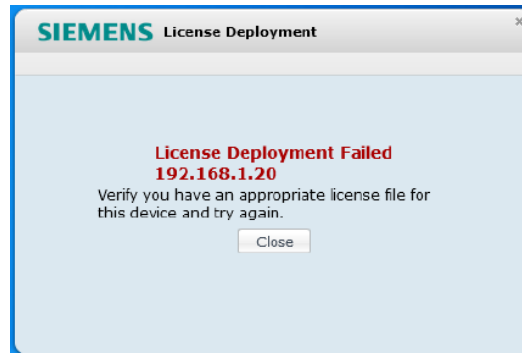
7. Click **Close** when the deployment is complete.



License Deployment Errors

- If the field panel does not have Firmware Revision 3.3.1 or later, the license will not deploy. The status message will display until you click Close.

- If the Deployment Complete message does not display within 5 minutes, click the Close button and verify the revision of firmware in the field panel.
- If the incorrect license is deployed, the following error message displays:



Using the Field Panel HMI



NOTE:

If the field panel controller was made ready before entering the license, the controller will coldstart after the license is accepted. Otherwise, the controller will coldstart when it is made ready.



NOTE:

Licenses must be typed exactly as displayed. If a mistake is made, your license is rejected.

- Make sure to type all spaces as they occur.
- Extend the entry to several lines to fit the entire license.
- Do not enter more than 50 characters per line.

This procedure uses an HMI connection and Firmware Revision 2.8.2/3.0.1 or later to load licenses.

1. Establish HMI communications with the field panel.
2. Open the license file (.lic) in Notepad or print it out.
3. From the HMI main menu, type the following letters in sequence:
 - **S, H, L, A** (System, Hardware, Licensemanager, Add)
4. Type the license exactly as it is displayed.

⇒ Continue with Procedure 8 – Verifying Installation of the Licenses [→ 26].

Here is an example for manually entering a license through the HMI:

```
>Log, Display, Add, dElete, Removall, Quit? a
>License : FEATURE J2 siemenssbt 1.0 permanent uncounted ----
>License : FD7CCE83EFF2 \-----
>License : HOSTID=ID_STRING=070725A001192PXC100-PE96.A-----
>License : -----
License 1 accepted
Licenses received 1, Licenses accepted 1, Licenses rejected 0
```

8 – Verifying Installation of the Licenses

After loading licenses into the field panel, it is good practice to run a License Manager report to verify installation. If the license is installed incorrectly, the feature will not operate.

Use one of the following to verify installation of the licenses:

- Online Commissioning Tool (CT) or Insight software.
- The field panel HMI.

Using Online Commissioning Tool or Insight Software

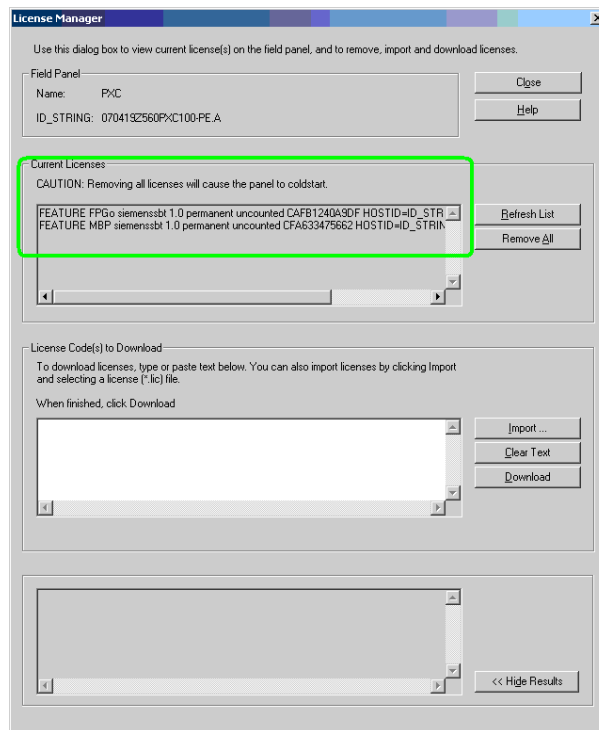
This procedure uses Commissioning Tool (CT) or Insight Revision 3.8.1 (P2)/3.9.1 (BACnet) or later.

Selecting the Field Panel in System Profile

1. Open Commissioning Tool (CT) or Insight software.
2. Open System Profile.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.

Verifying that the Licenses Are Installed

1. Select **Context > Diagnostics**.
2. Click the **License Manager** button.
 - ⇒ The License Manager dialog box displays.
3. Review the Current License section of the dialog box and verify that the necessary licenses are installed.
4. Do one of the following:
 - If the correct number of licenses is displayed, close the dialog box.
 - If the correct number of licenses is not displayed, repeat Procedure 7 – Loading the Licenses [→ 20].
 - ⇒ The License Manager start-up is complete.
5. Perform a database transfer to complete the field panel start-up.
 - ⇒ For more information, see the *Start-up Procedures* for the hardware and accessories at the job site.



Using the Field Panel HMI

This procedure uses an HMI connection and Firmware Revision 2.8.2/3.0.1 or later to verify license installation for the desired features.

1. Establish HMI communications with the field panel.
2. From the HMI main menu, type the following letters in sequence:
 - **S, H, L, D, S, H** (System, Hardware, Licensemanager, Display, Singlenode, Here)
 - ⇒ The system displays a License Manager report.
3. Review the information under the **License** heading and verify that a license is installed for the desired features (tasks).



NOTE:

If feature is not listed under **Application Name**, it is neither installed nor licensed.

4. Do one of the following:
 - If the license is installed, the license text and ID_STRING display. Return to the HMI main menu.
 - If **License = Not Installed**, the feature is not installed. Repeat Procedure 7 – Loading the Licenses [→ 20].
 - ⇒ The License Manager start-up is complete.
5. Perform a database transfer to complete the field panel start-up.
 - ⇒ For more information, see the *Start-up Procedures* for the hardware and accessories at the job site.



NOTE:
The following example report has been truncated.

```
>Point, Application, Time, Message, Cancel, System, passWord, Bye? S
>Diagnostics, Users, dAtes, deStinations, Error_msgs, Hardware, Text, Quit? H
>Fieldpanels, Ethernet, nodeNameetable, Disks, Licensemanager, Quit? L
>Log, Display, Add, dElete, Removall, Quit? D
>Singlenode, Allnodes      : S
>Here, Printer             : H

05/14/2007 MON           LICENSE MANAGER REPORT           09:15
-----

Field panel: PXC                ID_STRING = 070419Z560PXC100-PE.A

Application Name = FPGO
License = FEATURE FPGO siemensbt 1.0 permanent uncounted F6DC2757748B \
HOSTID=ID_STRING=EBSn0006 ← License is installed
Application Limit = None
Expired = NO
Tasks Attached = 1 ← Feature is installed

Application Name = TXIO
License Line 1: =
  DEFAULT TXIO 120 siemensbt 1.0 permanent uncounted 111111111 HOSTID=ID_STRING=
070419Z560PXC100-PE.A ← License is installed
Application Limit = 120
Expired = NO
Tasks Attached = 1 ← Feature is installed
...
```

Setting up a Demo License

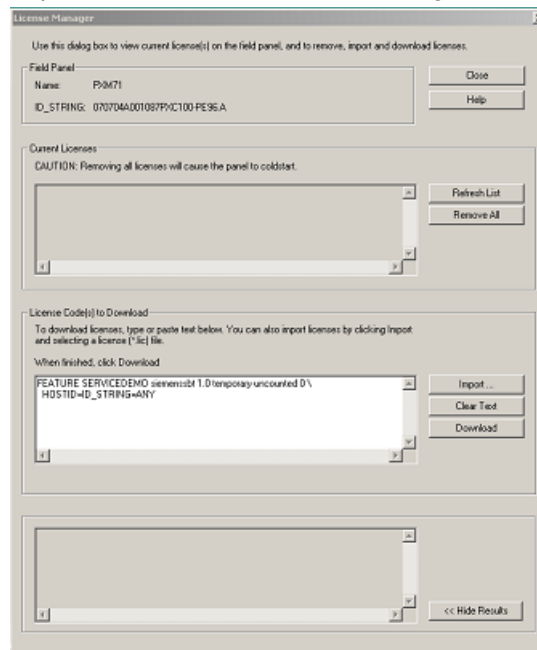
A demo license will enable all features of a controller. In the case of an Integration driver, it will enable the full functionality of an Integration driver, plus any other standard available features, such as Field Panel GO, Virtual AEM, etc.

A demo license cannot be obtained from License Manager. It must be created manually in a simple text editing tool like Notepad. If you use any other program, make sure that you save the file without formatting. The file is only needed if you want to load the license through Commissioning Tool (CT) or Insight software. You can also type the license string by hand with HMI.

A demo license is good for five (5) days. At midnight after the fifth day, the controller will remove the license and automatically coldstart. You can load the same demo license again to get another five days of run time.

Creating a Demo License

1. Open Notepad and enter the following text:
FEATURE SERVICEDemo siemensbt 1.0 temporary uncounted 0 \
HOSTID=ID_STRING=ANY
2. Save the file with the extension .lic.
3. Import the file into the license manager window in CT or Insight.



NOTE: The controller will coldstart after the license is accepted.

The license can also be entered by hand. The field in the License Manager window allows entering of text. Use the same text as shown above (including the “\”).

The license can also be entered via HMI, but the input buffer is limited to 50 characters per line. Because a license has far more than 50 characters, the license must be split into multiple lines.

Here is an example if the same demo license as entered by hand via HMI (replace the highlighted text with the ID_STRING value from your controller):

```
>Log, Display, Add, dElete, Removall, Quit? a
>License : FEATURE SERVICEDEMO siemensbt 1.0 \-----
>License : temporary uncounted 0 HOSTID=ID_STRING=ANY\-----
>License : -----
License 1 accepted
Licenses received 1, Licenses accepted 1, Licenses rejected 0
>Log, Display, Add, dElete, Removall, Quit?
```



NOTES:

It is important to enter the text exactly as shown with all the spaces, punctuation, and capitalization. If a mistake is made, the license will be rejected.
The controller will coldstart after the license is accepted.

When a demo license is loaded and accepted by the controller the word “temporary” will be replaced by the last day the licenses is valid.

```
>Time, Message, Cancel, Hello? h
>Enter user initials : high
>Enter user password : ???-----

>Point, Application, Time, Message, Cancel, System, passWord, Bye? -
0141:22 05/15/2008 THU Logged on successfully Field panel <PXM71>
User: <high> <High default user account>

>Point, Application, Time, Message, Cancel, System, passWord, Bye? s
>Diagnostics, Users, dAtes, deStinations, Error msgs, Hardware, Text, Quit? h
>Fieldpanels, Ethernet, nodeNametable, Disks, Licensemanager, Vaem, Quit? l
>Log, Display, Add, dElete, Removall, Quit? l
>Here, Printer : H
>Field panel name : -----
FEATURE SERVICEDEMO siemensbt 1.0 20-MAY-2008 uncounted 0
HOSTID=ID_STRING=ANY

>Log, Display, Add, dElete, Removall, Quit? -
```



NOTE:

Changing the system date to a date more than five (5) days away from the install date will immediately erase the demo license and coldstart the controller

Removing Licenses

If you wish to remove or disable a feature, the license associated with that feature must be removed. It is not necessary to remove the feature itself since removing the license disables it. Temporary licenses issued for demonstration purposes must be removed in order to discontinue pop-up messages after the expiration date.



NOTE:

Currently, the only way to remove an individual license is through the field panel HMI. When using Commissioning Tool (CT) or Insight software, the only option available is to remove all licenses and then re-add the required licenses.

Use one of the following to remove licenses:

- Online Commissioning Tool (CT) or Insight software.
- Offline Commissioning Tool (CT).
- The field panel HMI.

Using Online Commissioning Tool or Insight Software



CAUTION

This procedure causes the field panel to coldstart. It is a good practice to back up the field panel database before using this procedure.

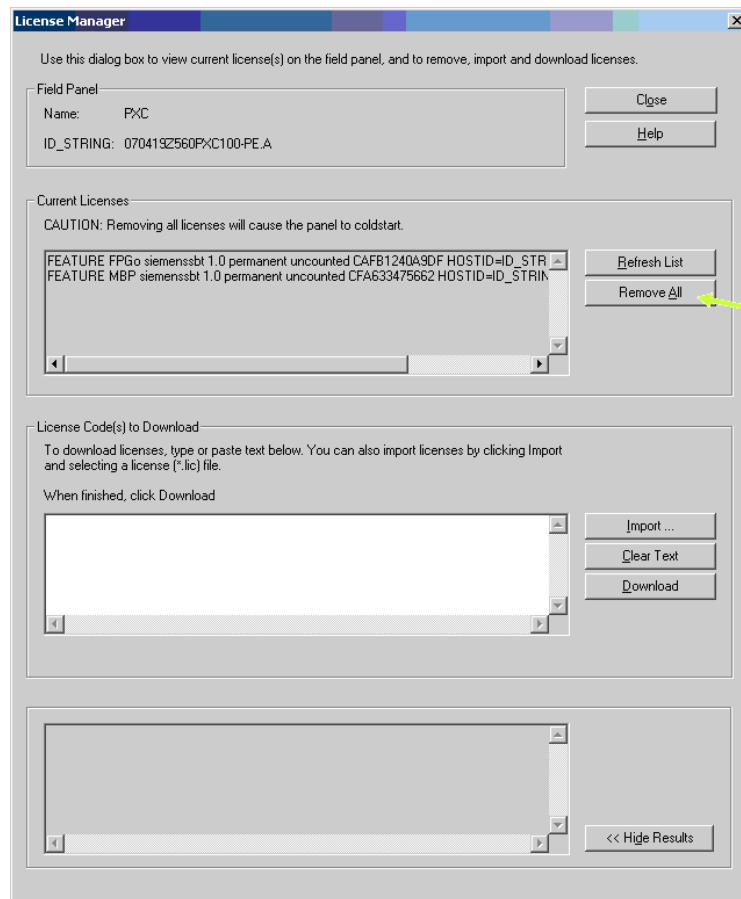
This procedure uses Commissioning Tool (CT) or Insight Revision 3.8.1 (P2)/3.9.1 (BACnet) or later.

Selecting the Field Panel in System Profile

1. Open Commissioning Tool (CT) or Insight software.
2. Open System Profile.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.

Removing the Licenses

1. From the **Context** menu, select **Diagnostics**.
2. Click the **License Manager** button.
⇒ The License Manager dialog box displays.
3. In the Current Licenses section of the dialog box, click the **Remove All** button (see the following illustration).
4. Once all licenses are removed, re-add the required licenses.



Remove All

Using Offline Commissioning Tool

This procedure uses Offline Commissioning Tool 3.8.1 or later to remove all the licenses.



CAUTION

This procedure causes the field panel to coldstart. It is a good practice to back up the field panel database before using this procedure.

Identifying the Field Panel

1. Open Offline Commissioning Tool.
2. Open MMI Database Transfer.
3. Expand the System Tree.
4. Right-click on the field panel using licensed features.
5. Verify the RJ-11 connection between the computer and field panel.
6. Click the **Direct Connect** button to establish connection.
7. Once connection is made, click the **ID** button.

Removing the Licenses

1. Open System Profile.
2. Select **File > License Manager**.
 - ⇒ The License Manager dialog box displays.
3. In the Current Licenses section of the dialog box, click the **Remove All** button.
4. Once all licenses are removed, re-add the required licenses.

Using the Field Panel HMI

This procedure uses an HMI connection and Firmware Revision 2.8.2/3.0.1 or later to remove a license for a feature.

1. Establish HMI communications with the field panel.
2. From the HMI main menu, type the following letters in sequence:
 - **S, H, L, E** (System, Hardware, Licensemanager, dElete)
3. Type the name of the license you wish to delete.
 - ⇒ The message `Are you sure (Y/N)` displays.
4. Verify whether you want to delete this license.
 - ⇒ If you verified the deletion, the system deletes the license from the field panel and the message `Command Successful` displays.

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