お客様　各位

【シュナイダーブランド】電力品質監視装置
ファームウエア バージョン変更のお知らせ【訂正版】

拝啓　貴社ますますご清栄のこととお慶び申し上げます。

平素は弊社標準機器をご愛顧賜りまして、厚く御礼申し上げます。

掲記の件、下記のとおり製品変更を実施させて頂きますので、ご高覧の上、ご高配の程

何卒宜しくお願い申し上げます。（2023年2月発行 B22070 の 訂正版です。）

また、お手数をお掛けして誠に恐縮ですが、貴社関連部門へ変更内容をご連絡くださいます様、

ご協力の程 併せてお願い申し上げます。

敬具

記

製　品　名	シュナイダーブランド 電力品質管理システム
シリーズ、名称	PM8000シリーズ、ION9000シリーズ
形　式	METSEPM82□0、METSEPM8243、METSEPM8244 ならびに METSEION9から始まる形式
変　更　部　分	ファームウエアバージョン変更。（Ver 3. 1. □ ⇒ Ver 4. 0. 0）
変　更　内　容	・IONプロトコルのセキュリティ強化（パソコンとメータ本体間のIonプロトコルによる通信を暗号化。） ・パスワードの最大長の変更（6文字から16文字に増加） ・ファイルシステムの改善（ファイルシステムの追加ならびに変更）[a]
変　更　理　由	機能拡張・向上のため。
変更実施時期	2023年1月生産品より実施済
添付資料	添付資料1：パソコンとメータ本体間のIonプロトコルによる通信を暗号化 による注意事項 添付資料2：シュナイダーオリジナルのリリースノート（PM8000ならびにION9000）[a]
本変更に伴う注意事項	本変更に伴う製品性能の変更はございません。 既納品への対応について 　ソフトウエア ION Setupをご使用いただくことにより、お客様自身でファームウエアの更新の 　実施は可能です。実施する場合は、お客様責任の上で更新作業をお願い申し上げます。 　　ご注意：Ver3.□.□からVer4.□.□へアップグレード後、再度Ver.3.□.□への 　　　　　　ダウングレードは行うことはできません。

Fe 富士電機
Innovating Energy Technology

Rep No. B22070
2023年 2月 13日
富士電機機器制御株式会社
事業統括部

IONプロトコルのセキュリティ強化に伴い、設定ソフトION Setupを使用して、ファームウェアバージョン
V4.0.0のPM8000シリーズやION9000シリーズのメータにアクセスすると、接続時に以下のような
メッセージが表示されます。 [Proceed] ボタンを押して、設定画面に進みます。

【注意】
　設定ソフトION Setupは、最新版をご使用下さい。v3.2.23004.01が2023年2月10日現在での最新版です。
　ION Setupのバージョンが異なると、下記と異なる画面が表示される場合があります。

例1） ION Setup（v3.2.23004.01）でアクセスした時に表示される画面。
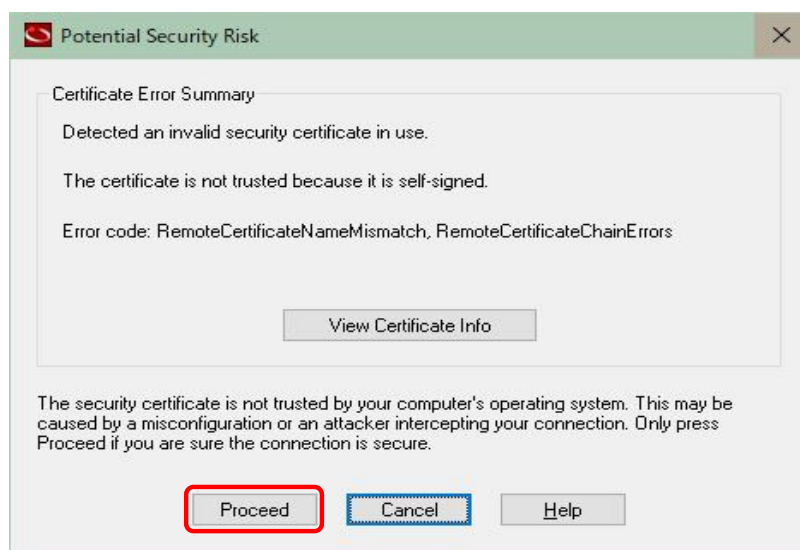
例2） ION Setup（v3.2.23004.01）でアクセスした時に、自己署名証明書の期限が切れている場合。
自己署名証明書は、メータ製造時に発行した物が内蔵されておりますが、期限は2年です。
自己署名証明書の更新作業は、ユーザガイドの『新規自己署名SSL証明書の生成』に記載されております。
（Fe Libraryにて、ご確認できます。）

● 期限が切れている場合は、以下の表示がされます。
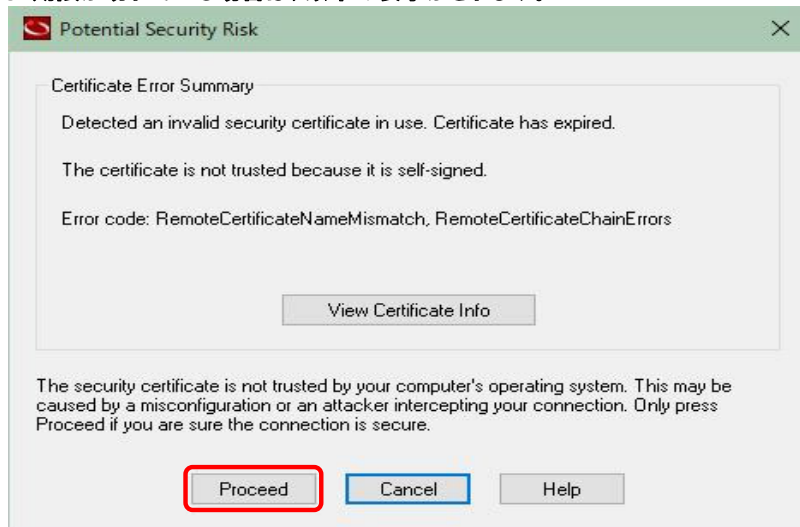
Firmware version 4.0.0

Firmware release date: January 2023

Firmware download link: [PM8000 series firmware download page](#)

Summary

PowerLogic™ PM8000 series firmware version 4.0.0 contains a number of new features and changes that are designed to expand the functionality of your meter and help improve the security of your meter.

We strongly recommend that you upgrade your device to this firmware version.

This document lists the new functionality in firmware version 4.0.0, as well as how to obtain additional information and resources.

NOTE: A meter upgraded to firmware version 4.0.0 or later cannot be downgraded to an earlier firmware version.

NOTICE

LOSS OF DOWNGRADE CAPABILITY

Do not upgrade to firmware version 4.0.0 or later if you need to downgrade the meter in the future.

Failure to follow these instructions can result in loss of firmware downgrade functionality.

Prerequisites

- Back up all your meter data.
- ION Setup 3.2.22341.01 or higher.

For detailed information on what to back up in your meter and other prerequisite information, including how to get the latest version of ION Setup, see "Meter firmware upgrade prerequisites" in the PowerLogic™ PM8000 series User Manual.

As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.

New features

This section lists the new features that are added to your meter after you upgrade to firmware version 4.0.0.

Secure ION

Secure ION enhances the security of the ION protocol by using a Transport Layer Security (TLS) encrypted tunnel between the device and the controller.

The additional TLS layer applies to TCP/IP based connections (Ethernet) only. It does not apply to serial communications.

NOTE: ION protocol without Secure ION is still supported and enabled by default upon upgrade to 4.0.0.

ION sessions

An ION session uses a session token ID to authenticate ION requests to a device.

Longer passwords

In keeping with our ongoing efforts to provide enhanced cybersecurity, the maximum password length has been increased from 6 to 16 characters.

Longer passwords cannot be used over non-ION session connections.

File system improvements

Firmware version 4.0.0 includes additional file system and related changes from the vendor.

Additional hardware support

To address global supply chain challenges, firmware version 4.0.0 supports a new Field Programmable Gate Array (FPGA) component. This FPGA component does not change the form, fit, or function of your product.

Documentation updates

The PowerLogic™ PM8000 series User Manual was updated to document the firmware 4.0.0 features. As well, the following new topics were added:

Topic	Description
Metering equipment symbols	Lists and describes the symbols that may be used on metering equipment.
Cleaning instructions	Best practices for cleaning your equipment.

Firmware upgrade procedure

For information on how to upgrade the meter firmware see the PowerLogic™ PM8000 series User Manual on www.se.com.

Additional information and resources

Visit www.se.com to download:

- The firmware upgrade files.
- The latest framework and webpage files.
- The latest user manual, technical datasheets, and installation guides.

Firmware version 4.0.0

Firmware release date: January 2023

Firmware download link: ION9000 series firmware download page

Summary

PowerLogic™ ION9000 series firmware version 4.0.0 contains a number of new features and changes that are designed to expand the functionality of your meter and help improve the security of your meter.

We strongly recommend that you upgrade your device to this firmware version.

This document lists the new functionality in firmware version 4.0.0, as well as how to obtain additional information and resources.

> **NOTE**: A meter upgraded to firmware version 4.0.0 or later cannot be downgraded to an earlier firmware version.

NOTICE

LOSS OF DOWNGRADE CAPABILITY

Do not upgrade to firmware version 4.0.0 or later if you need to downgrade the meter in the future.

Failure to follow these instructions can result in loss of firmware downgrade functionality.

Prerequisites

- Back up all your meter data.
- ION Setup 3.2.22341.01 or higher.

For detailed information on what to back up in your meter and other prerequisite information, including how to get the latest version of ION Setup, see "Meter firmware upgrade prerequisites" in the PowerLogic™ ION9000 series User Manual.

New features

This section lists the new features that are added to your meter after you upgrade to firmware version 4.0.0.

Secure ION

Secure ION enhances the security of the ION protocol by using a Transport Layer Security (TLS) encrypted tunnel between the device and the controller.

The additional TLS layer applies to TCP/IP based connections (Ethernet) only. It does not apply to serial communications.

NOTE: ION protocol without Secure ION is still supported and enabled by default upon upgrade to 4.0.0.

ION sessions

An ION session uses a session token ID to authenticate ION requests to a device.

Longer passwords

In keeping with our ongoing efforts to provide enhanced cybersecurity, the maximum password length has been increased from 6 to 16 characters.

Longer passwords cannot be used over non-ION session connections.

File system improvements

Firmware version 4.0.0 includes additional file system and related changes from the vendor.

Documentation updates

The PowerLogic™ ION9000 series User Manual was updated to document the firmware 4.0.0 features. As well, the following new topics were added:

Topic	Description
Metering equipment symbols	Lists and describes the symbols that may be used on metering equipment.
Cleaning instructions	Best practices for cleaning your equipment.

Firmware upgrade procedure

For information on how to upgrade the meter firmware see the PowerLogic™ ION9000 series User Manual on www.se.com.

Additional information and resources

Visit www.se.com to download:

- The firmware upgrade files.

- The latest framework and webpage files.

- The latest user manual, technical datasheets, and installation guides.