



Utility Newsletter

March 2021

Thank you!

We want to start by sending a sincere thank you to all of the utility companies and utility workers who ensure a stable energy supply for the nation. You are the backbone upon which all of our critical infrastructure and economy relies. We look forward to working with each and every one of you in 2021 and beyond.

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Upcoming Events & News

US Utility Forum on Exchange

We have launched a [US Utility Forum](#) on Schneider Electric Exchange Platform and stay-up-to-date on news, trends & best practices for the smart grid. Efficiently solve your problems by asking our network of utility experts and your peers and get personalized advice. Ask our community and extend your team. Whether it's a question on power monitoring or control, connectivity or cybersecurity, you will find help! [Get started here.](#)



Watch to learn more about our [Schneider Electric Exchange Community](#) and how it can help.

Cybersecurity News

We encourage our customers to register for our periodic cybersecurity notifications for all Schneider Electric products by [visiting our website](#).

Cybersecurity

Schneider Electric has made [announcements](#) on February 9, 2021 and March 9, 2021 regarding our metering product lines. Our recommendations for prevention or mitigation of the vulnerabilities are included in the links below.

- [PowerLogic Power Metering Products](#) – SEVD-2021-040-01
- [PowerLogic ION7400 / PM8000 / ION9000 Power Meters](#) - SEVD-2021-068-02
- [PowerLogic ION8650 / ION8800 / ION7x50 / ION7700/73xx / ION83xx/84xx/85xx/8600 Power Meters \(V2.0\)](#) – SEVD-2021-068-03

Schneider Electric Utility Roundtable Webinars

We have restarted our free webinar series to help our customers stay abreast of the latest news in our utility products and to give you a chance to discuss anything that's on your mind. The first

eight sessions scheduled, and we will add more shortly. Please let us know if there are any topics you would like to see covered by [emailing me](#).

[See the schedule here and add it to your calendar](#)

[Watch the Recordings of past sessions](#)

[White Paper: Analytics Enabled by Waveform Analysis](#)

Schneider Electric's Daniel Sabin and Jon A. Bicke have published a white paper regarding waveforms analysis and why it is no longer only the domain of experienced power systems engineers. Analogous to physicians interpreting X-rays or MRIs in the medical field, power systems engineers interpret voltage and current signals captured from unhealthy electrical systems. Few businesses employ full-time power systems engineers, requiring non-engineers to become experts in the "cryptic arts" of interpreting waveforms captured by their power monitoring devices.

[Download the paper here](#)

[Schneider Electric Most Sustainable Company](#)

We believe in the power of sustainability to make this world a better place. And we are honored to be recognized as 2021's **most sustainable corporation globally** by Corporate Knights, which also marks the 10th year that we've been ranked among the "Global 100". [Sustainability is at the heart of everything that we do](#), both for our own company as well as for our customers.

[PMU Virtual Instructor Led Trainings](#)

Through May, we will only be offering VILT (live, virtual instructor-led training) classes, then we are moving to a hybrid option. The hybrid option will allow students to register for classes and choose to attend either virtually or in-person (classroom). [Check out a video of how it works](#).

[2021 Factory Training Schedule](#) is available now on our website.

RTU Updates

Easergy T300 Updates

The Easergy T300 can be used as an advanced Underground Faulted Circuit Indicator application. The T300 offers advanced fault detection, digital fault recording (COMTRADE), flexible comms options (serial, ethernet, 4G), enhanced cybersecurity, power measurement, and power quality data, and flexible alarming and logging. This flexibility allows the function of several devices to be combined into one flexible platform.

The Easergy T300 can also be used as a plug and play retrofit solution for GE DART RTUs. The T300 offers exceptionally low power consumption, remote switch control, real-time telemetry via DNP3 with flexible comms options, advanced fault detection, and NERC-CIP cybersecurity.

Firmware version 2.7.0 has been released for the Easergy T300. *Contact your local sales rep to receive a copy.* Download the release notes for full details on the features and fixes included.

Email Technical Support: Global-NA-tech-support@se.com

Firmware Version 2.7.0 Release Summary:

- **Cybersecurity:** Firmware Signature and Encryption. Modules can be upgraded only with an officially signed upgrade package, which is encrypted.
- **Cybersecurity:** Several vulnerabilities have been fixed. See document for details
- **Cybersecurity:** VxWorks TCP/IP vulnerabilities fixes
- **Dynamic Webserver Config:** Some features can now be added in configuration without using Easergy Builder.
- **Fault Detection:** Several fixes and enhancements to Fault detection algorithms.

SAGE RTU Updates

For the latest info on firmware updates, cybersecurity updates, and other SAGE news, subscribe to our news feed here.

The latest SAGE firmware can be downloaded from <https://www.sage-rtu.com/downloads.html>

We recently held a webinar which explains when and how to bring forward an existing RTU config when migrating from any old SAGE CPU to the latest secure firmware. Check out the video or presentation here.

If you have any questions or comments, please contact us.



C3414-500-S02K5 P3 FIRMWARE RELEASE

Fixes:

- **SAGE 4400 Digital Out (SFB):** Fix to the code which prevented execution of controls on the Digital Out bus for latching DO cards.

C3414-500-S02K5 P2 FIRMWARE RELEASE

Fixes:

- **DNPM Protocol:** Protocol was failing to close the broadcast UDP socket after a write failure causing the unclosed sockets to collect, eventually causing system hang.
- **2179 Protocol:** Fixed bug causing RX Timeout to be computed to 16 seconds. Also fixed storage size of AOT timer to hold larger than value of 255.
- **SEL PROTOCOL:** Fixed bug when trying to retrieve Event report from SEL 501 meter due to unique response message.

If you have suggestions for new features for SAGE RTU's please send to chris.kerr@se.com

ION Meter Updates



ION8650 Feature Spotlight

- We would like to remind you all, the **A0, M1, and S0** comms options are being obsoleted starting Mar 31, 2021. [See the official announcement here.](#)
- **The ION8650 meter is now third-party certified for ANSI C12.20-2015 0.1% Accuracy Class.**
- Did you know that the ION8650A meter is [IEC 61000-4-30 Ed. 3 Class A compliant?](#) Class A meters guarantee that two meters will produce matching results measuring the same signals.
- Did you know your ION8650C meter can be upgraded to an ION8650A with a simple software upgrade? Ask your [sales team](#) how.

ION8650 Firmware and News

To better secure access to ION8650 firmware, we have pulled the files from our se.com US website. They will be relocated to our Exchange community site which will require customers to login before downloading the firmware files. New template files are also included in the firmware release. They will be located here.

[ION8650 Firmware, Hashes, and Release Notes](#)

Firmware Release v4.40.1

Ensure you have the latest version of [ION Setup](#) before upgrading.

Cybersecurity

- User Accounts – Secure Password Storage in the device using cryptographic protection
- SFTP Support – Removed FTP for a secure file transfer protocol. ION registers added.
- SSH Support – Removed Telnet for a secure console interface. ION registers added.
- Web Config Removed – Config changes must be made with ION Setup. Webpages can be used for real-time monitoring only. Corresponding setup registers removed.
- Security Mode – No Security Mode removed. If you had no security prior to v4.40.1, after upgrading the meter will be in Standard security mode with default password of 0.
- Telnet and FTP Removed along with associated ION setup registers.

Enhancements

- Cell Modem Improvements – Increased robustness of cell modem communications.
- File system stability improvements.

Sign up for a free account here to access the firmware and participate in our community of experts. <https://exchange.se.com/>

ION9000 Named 2021 Product of the Year

The **PowerLogic ION9000** was just named by Control Engineering as product of the year in the 2021 Engineers' Choice Awards, Power Protection category. The honor is particularly significant because it was chosen by engineering decision-makers in the global control, instrumentation, and automation marketplace.

The ION9000 advanced power quality meter pushes the accuracy envelope with precision twice that of existing standards. As a certified power quality instrument (PQI), it helps resolve power quality issues faster with patented disturbance tracking technology and provides unique modularity that adapts quickly to changing customer requirements.



ION7400, ION9000, PM8000

The latest version, Firmware 3.0.0, of the ION9000 and ION7400 firmware are available on www.se.com. Full release notes are in the firmware zip files under the WhatsNew pdf document. Ensure you have the latest version of ION Setup before upgrading.

Cybersecurity

- User Accounts – Secure Password Storage in the device using cryptographic protection
- Legacy Security Support – Standard security mode removed. Legacy Mode provides backward compatibility with software packages speaking the ION Protocol.
- Password Changes– Removed ability to change meter passwords via display.
- Modbus Access – ION Setup Security config to disable access to built-in Modbus map.

Communications

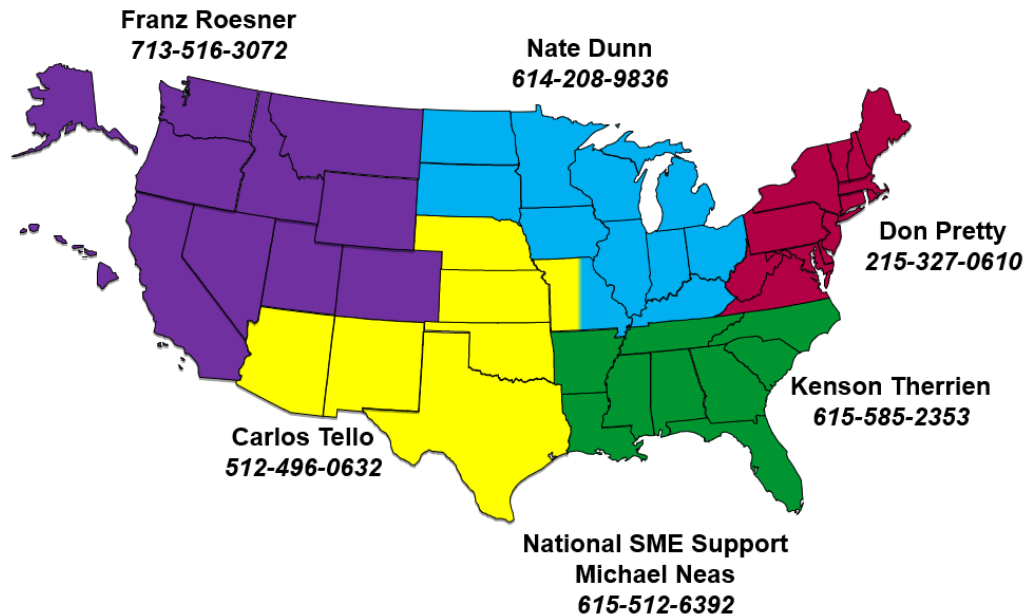
- Removed non-secure HTTP web server access – HTTPS is the only option available.
- Modbus Master Map modules – Increase from 20 to 40.
- Modbus Master Device Modules – Increase from 64 to 128.

Installing and Commissioning

- Support for new Low Voltage Current Sensor (LVCS) meter hardware option.
- New Upgrade Procedure for meter firmware. Check latest documentation.

Your Schneider Electric Team

Contact our Subject Matter Expert team for all your utility product needs.



Sales Representative Updates

Don Pretty joins Schneider Electric as the Northeast Regional Account Executive.

Franz Roesner will now be the acting Regional Sales Manager and Account Executive for the western region USA, replacing Jason Guy.

We are pleased to announce that AvCom, Inc. will be representing the Digital Power offers to Utility Generation Plants, Transmission & Distribution for IOU's, Muni's and Co-op's from NY (upstate) and throughout the New England territory. AvCom, Inc. shall represent Digital Power offers: Utility Metering Solutions (ION7400, ION8650) including PME Software and Services, SAGE and T300 RTUs, Substation and Feeder Automation solutions, along with our MiCOM and Easergy Protection Relays.

As a reminder, the following sales reps are new for 2021.

- **New York & New England:** AvCom represents Digital Power and Energy Automation.
- **Florida:** Utility Specialists Inc. is now the rep agency for Energy Automation.
- **Arkansas:** GHMR is now the Rep Agency for Energy Automation.
- **Texas, Oklahoma, Louisiana, Arkansas:** Power Equip Sales Reps is now the Services and Modernization rep.
- **Colorado, Wyoming:** Power Equipment Specialists, Inc is now our rep agency for Digital Power (Utility Metering and Energy Automation), and Services and Modernization.
- **Northern California:** Carlson Sales, Inc. is now our Digital Power (Utility Metering and Energy Automation) rep agency.



For more information visit us
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