



October 20, 2016

President's Update



Members,

We're less than a month away from the [2016 SGIP Grid Modernization Summit](#) in Washington, D.C. on November 7-10, 2016. In addition to the seminars, working group meetings, and technology exhibits that make this summit unique, attendees will also benefit from a [speaker program](#) comprised of utility, vendor, government, national labs, and industry senior executives.

SGIP and NEMA Discuss Grid Reliability and Extreme Weather
The National Electrical Manufacturers Association (NEMA) publishes a magazine covering current topics related to the electric grid. I had the opportunity recently to write an article about how the SGIP community is helping to ensure utility reliability in the wake of unanticipated weather disasters. You can read my article [here](#).

SGIP Collaborated at Several Events in the Past Month

In September, there were a number of collaboration opportunities in which I participated to interact with other like-minded leaders on grid modernization. The IEEE ISGT 2016 meeting held in Minneapolis brought together engineers from across the US to discuss impacts of solar, Distributed Energy Resources (DER), and business models. Discussion ensued regarding grid architecture, engineering planning and what regulators could be asking to get ahead of DER.

In mid-September, SGIP attended and presented at Solar Power International with approximately 15,000 other attendees. SGIP held a one-day workshop on Orange Button while at the event. On September 27 and 28 in Chicago, four national laboratories and the Department of Energy held a day-and-a-half of meetings with industry leaders. The meetings were part of a project to develop methodologies and tools for simplifying the integration and cyber-secure interaction of the electric power grid.

We ended the month by participating in an ARPAE workshop in Bethesda called UNIFIED - HIGHLY UTILIZED GRID, which was focused on developing a new program. As the boundaries of Transmission/Distribution blur, ARPAE is looking for what needs to happen to increase utilization of the grid, especially with more renewables and DER coming on line.

All the activities and workshops that I participated in reinforced the need for collaboration among multiple stakeholders to accomplish our end goal of a secure, reliable, safe, sustainable grid that is efficient as a result of interoperability of components and systems.

Grid Management Meeting on November 7 at the Grid Modernization Summit

The Grid Management Group will meet on November 7 during the SGIP 2016 Grid Modernization Summit. Utilities and National Labs are welcome to participate. Attendees will discuss grid architecture, grid sensing and measurement, microgrid control and testing, and more.

Welcome Siemens, Entergy, and Intel

I'm pleased to welcome Entergy, Siemens, and Intel to the SGIP community. Entergy is an integrated energy company focused primarily on electric power production and retail distribution operations in the Southern U.S. Siemens is headquartered in Germany and is the largest engineering company in Europe. Intel is a global technology company.



Sharon Allan

President and CEO

Announcements

SGIP Welcomes New Chief Architect Dave Hardin

After many years designing, integrating and managing automation and information systems, which included senior technical and management positions at Invensys/Schneider Electric, Shell and Texaco, Dave Hardin has joined SGIP as the new Chief Architect. He starts in his position on October 24.

Hardin is no stranger to the SGIP community. He vice-chaired the consortium's Smart Grid Architecture Committee, chaired the Industrial-to-Grid Domain Working Group, and is currently serving as vice chair of the Transactive Energy Coordination Group.

>> [Read about Dave's background, responsibilities, and goals](#)

Grid Modernization Summit Attendees: Get Your Absentee Ballots

The 2016 U.S. presidential election will be on November 8—day two of the [2016 SGIP Grid Modernization Summit](#). If you're attending this year's executive summit, consider getting your absentee ballot to vote in the elections.

To fill out an online form and get your absentee ballot, [click here](#). The form should only take a couple of minutes. Every state lets voters use absentee ballots if they can't make it to the polls on Election Day, but eligibility requirements vary by state. Make sure you are registered to vote before applying for your ballot.

PMO Update

From Aaron Smallwood, SGIP VP of Technology Operations

OpenFMB Demonstration at the 2016 Grid Modernization Summit

OpenFMB has major news planned for the 2016 Grid Modernization Summit: We will be launching the SGIP OpenFMB Collaboration site. The SGIP OpenFMB Collaboration site is an online resource that has everything needed to get started with OpenFMB. We've talked with many people in the industry who have wanted to explore OpenFMB themselves, in their labs, and set up implementations to see how OpenFMB can be used to address their business needs – and the new SGIP OpenFMB Collaboration site is the best way to start. The official launch date for the SGIP OpenFMB Collaboration site is November 7th.

October 18 OpenFMB Webinar

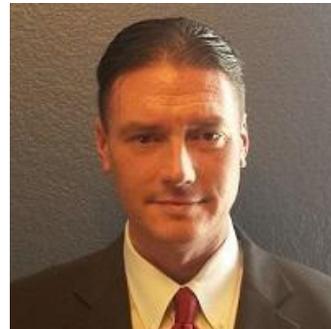
For more information about the upcoming OpenFMB demonstration at the 2016 Grid Modernization Summit, watch a replay of the [SGIP Grid Modernization Summit OpenFMB Demo Preview from October 18](#). Dr. Stuart Laval, Manager of Technology Development at Duke Energy, and I provided an overview of OpenFMB, our new OpenFMB DER Circuit Segment Management use case, the SGIP OpenFMB Collaboration site, and how you can get involved.

OpenFMB Repository Webinar on November 17

On November 17, we will be hosting another webinar providing a deeper look at the SGIP OpenFMB Collaboration site; OpenFMB experts and developers will provide a detailed explanation of the online resources available. This webinar is for anyone interested in learning more about the Collaboration site.

Orange Button Update

To continue the progress made on the DOE's Orange Button initiative



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thus far, we will be holding an Orange Button face-to-face meeting on Wednesday, October 26, from 9:00 a.m. - 4:00 p.m. MST at the NREL facilities in Golden, Colorado. This is an in-person working session for Orange Button Area A Requirements Workgroup participants.

[Click here for the full Update.](#)

Member Spotlight

Each month, SGIP shines the spotlight on a member who is making an impact in his or her professional field and association. These members exemplify the mission of SGIP to advance grid modernization.



Gary Rackliffe, ABB

Gary Rackliffe is the ABB Vice President for Smart Grids North America. He also is the General Manager for the Smart Grid Center of Excellence located in Raleigh, North Carolina. With 30+ years of electric grid transmission and distribution experience, Gary is widely recognized as an industry leader on smart grid technologies. He is the past chair of the National Electrical Manufacturers Association's (NEMA) Smart Grid Council and is a member of the NEMA Distribution Automation Section, Connected Systems Division, and Grid Modernization Leadership Committee; the DistribuTECH Advisory

Committee; the Department of Commerce Renewable Energy and Energy Efficiency Advisory Committee; and the Department of Energy ADMS Steering Committee.

>>> [Click here to read Gary's Member Spotlight](#)

SGIP News

Winners of the Members Choice Awards to be Announced at the 2016 Grid Mod Summit

Voting for the first annual SGIP Members Choice Awards closed on October 14, and SGIP would like to thank everyone who participated. The Members Choice Awards serve as an opportunity for SGIP members to acknowledge each other's standout achievements in interoperability. Awards are presented in the following categories:

1. The Erich Gunther Most Committed Interoperability Ambassador
2. Best Contributor to Collaboration
3. Most Innovative Solution
4. Best Interoperability Demonstration Project



Awards will be announced on November 8 during the dinner at the [SGIP 2016 Grid Modernization Summit](#) in Washington, D.C. Please don't forget to RSVP for the dinner on the registration form.

Utility Reliability Article by SGIP CEO Sharon Allan in *electroindustry* Magazine

Utilities have a good track record in reliability, but destruction from extreme weather can cause extended outages. In a recent article in NEMA's *electroindustry* magazine, Sharon Allan, CEO and President of SGIP, shares her insight on how these unanticipated threats to energy supply can be reduced by grid modernization programs.

In the article, Allan explains how the energy Internet of Things (IoT), industry working groups and the Orange Button initiative—which aims to simplify and standardize solar data—are creating electric grids with new capabilities to outsmart extreme weather. You can read the whole article by [clicking here](#).

Hotel Info for the Grid Modernization Summit

For registrants of the SGIP [2016 Grid Modernization Summit](#), there are special per diem rates available on a first-come, first-served basis at the Capital Hilton (the Summit venue).

To reserve per diem rooms, **do not make reservations online**. Instead, call Ma Jones, Senior Event Manager for Capital Hilton, directly at +1.202.639.5708 to make your reservations. You must reference the SGIP Grid Modernization Summit to get the per diem room rate as available. Appropriate ID is required at check-in.

Check-in time: 4pm

Check-out time: 11am

Address: 1001 16th Street NW, Washington D.C.
20036 USA

Interoperability Strategic Vision Meeting Aligns Industry Stakeholders

On September 27 and 28 in Chicago, four national laboratories and the Department of Energy held a day and a half of meetings with industry experts to discuss interoperability requirements. The meetings were run by the Grid Modernization Laboratory Consortium, which was organized by the U.S. Department of Energy. The meetings served as initial stakeholder meetings to launch a three-year project by the national laboratories to develop methodologies and tools for simplifying the integration and cyber-secure interaction of the electric power grid. Click below to read more about the meetings.

LEARN MORE

SGIP-Hosted Events

GRID MODERNIZATION SUMMIT 2016

“ACCELERATING TRANSFORMATION”

What: 2016 Grid Modernization Summit

When: November 7-10, 2016

Where: The Capital Hilton, Washington, D.C. (reserve rooms [here](#))

Who: Everyone! Both members and non-members are invited to attend.

Theme: Accelerating Transformation

Energy power sector experts will be convening at the 2016 Grid Modernization Summit to provide insight into the future of our industry. Join us November 7 through 10 at the Capital for an event that will teach you how your leadership is directly responsible for accelerating transformation.

Hosted by the SGIP consortium, this executive summit promises to be filled with the latest in grid modernization and networking opportunities for members, non-members, and guests alike. The latest speaker to join the program is Edmund Schweitzer III, President & Chairman of the Board for Schweitzer Engineering Laboratories.

Be among our industry's most innovative thought leaders as you learn, network, share, and dine.

Grid Management Meeting at the 2016 Grid Modernization Summit - November 7, 2016

This meeting for utilities and National Labs will be held at the 2016 Grid Modernization Summit at the Capital Hilton in Washington, DC, and will include participation from invited National Labs leaders. Attendees will discuss grid architecture, grid sensing and measurement, microgrid control and testing, and more. Interested utilities should contact Sharon Allan at sallan@sgip.org.

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Contribute to *The Conductor*

SGIP's monthly newsletter isn't just an opportunity for you to hear from other thought leaders - it's also your chance to share your views and accomplishments with the industry and the SGIP community. If you have opinions, initiatives or upcoming events that can help others in grid modernization, they can be published in *The Conductor*.



Your insight and work could be promoted in several ways:

- **Articles**
- **Case Studies and White Papers**
- **Webinars**
- **Conferences**

> > [Click here for more details on how you can contribute](#)

If you would like to contribute to *The Conductor*, contact Gabrielle Puccio, Vice President of Member and Public Affairs, at gpuccio@sgip.org.

Upcoming Webinars

SGIP-Hosted IEEE 2030.5 Webinar

IEEE 2030.5 (formerly known as the Smart Energy Profile 2.0) is an IoT standard aimed at connecting consumer-owned technology to the smart grid. There has been recent uptake of the standard for communicating between aggregated distributed energy resources (DER) and utilities, particularly in California's recent Rule 21 activities. This webinar will give an overview of the standard as well as a deeper look at its use in connecting DER.

Date: October 25, 2016

Time: 1:00 p.m. – 2:00 p.m. ET

Speakers: Bill Ash and Robby Simpson

Registration: You can register for the event by [clicking here](#).

Recent Webinars

In Case you Missed the OpenFMB Demo Preview Webinar

SGIP's OpenFMB team has developed a utility-focused DER Circuit Segment Management use case demonstrating how OpenFMB capabilities can help in managing distribution operations with a high penetration of DER.

On October 18, 2016, OpenFMB co-chairs walked through the details of this use case and explained the unique benefits that OpenFMB provides. In addition, they previewed a new OpenFMB website that will

have publicly available, OpenFMB demonstration code, instructions and online resources. This site will be formally launched at SGIP's 2016 Grid Modernization Summit November 7-10, 2016 in Washington, D.C.

>> [View the recording](#)

>> [Download the presentation](#)

Did you miss any other SGIP webinars?

Members have been hard at work presenting on hot topics like new standards, the OpenFMB technical framework for field devices, and the Orange Button Initiative to streamline the exchange of solar data.

If you missed a webinar that interests you, no worries. You can find recorded webinars and a list of upcoming webinars by [clicking here](#).

Industry News and Events

NIST/IEEE Workshop, "Timing Challenges in the Smart Grid," October 2016

October 26, 2016, Gaithersburg, Maryland, USA

The National Institute of Standards and Technology (NIST) will host a NIST/IEEE (Institute of Electrical and Electronics Engineers) Workshop titled "Timing Challenges in the Smart Grid" in Gaithersburg, Maryland on October 26, 2016. The goals of the workshop are to clearly identify and analyze...

>> [Keep Reading](#)

Recap on Innovative Smart Grid Technologies (ISGT 2016) Conference

September 7-9, 2016, Minneapolis, Minnesota

With 400 attendees from around the world, [IEEE's ISGT conference](#)—held last week in Minneapolis, Minnesota—provided a forum for stakeholders to share recent accomplishments, planned developments, and long-term visions. Three plenary panels highlighted technology visions, regulatory issues, and...

>> [Learn More](#)

Welcoming New SGIP Community Members

SGIP welcomes Entergy, Siemens, and Intel to the SGIP community. Entergy is an integrated energy company focused primarily on electric power production and retail distribution operations in the Southern U.S. Siemens is headquartered in Germany and is the largest engineering company in

Europe. Intel is a global technology company. The leadership and knowledge of these new member companies add tremendous expertise to the SGIP community.

Connect with SGIP



LinkedIn Update

We encourage our group members to follow our SGIP Company Page to stay up-to-date on the latest SGIP and industry news. If you don't already, [Follow Us](#) today.

Visit Our Website

Smart Grid Interoperability Panel | 401 Edgewater Place, Suite 600 | Wakefield, MA 01880

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