



September 22, 2016

## President's Update



Members,

SGIP has been busy the last month with a lot of activities and progress in our focus areas. Below are some of the important milestones we've recently passed and our next steps together.

### **Duke Energy hosted the Grid Management Group at its facility in Charlotte, North Carolina**

On August 25, participants discussed requirements for control functions in microgrids. A microgrid is "a group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid [and can] connect and disconnect from the grid to enable it to operate in both grid-connected or island-mode," according to the U.S. Department of Energy.

The use case development work of SGIP OpenFMB members was discussed with regard to achieving smooth transition from grid connected to island mode. ComEd discussed the work and criteria they have used to determine placement of a microgrid for maximum benefit. Xcel Energy shared regarding the building of their microgrid as well. As we discussed requirements and needs, the diverse set of microgrids represented by the utilities revealed how different each one was.

Thank you to Duke Energy for hosting this successful meeting and giving a great tour of your facility. The next Grid Management meeting will be November 7 and will include an exchange with leaders from National Labs.

### **Orange Button has completed key deliverables in its first year**

The [Orange Button](#) initiative—which will streamline the way the solar industry establishes and manages data—launched in April 2016, with over 300 participants fully engaged and making great strides. They've completed a survey and a scoping document, and are currently documenting solar marketing requirements.

Last week, the Orange Button Area A Requirements Working Group participants had an in-person meeting at [Solar Power International](#) in Las Vegas, Nevada, led by Aaron Smallwood, VP of Technology Operations at SGIP. The working groups continued to develop market requirements and use cases while coordinating and sharing information across all Orange Button Working Groups. The next Orange Button in-person meeting will be held this coming October at NREL in Colorado.

## OpenFMB is preparing for a demo at the 2016 Grid Modernization Summit in November

[The SGIP 2016 Grid Modernization Summit](#) this fall will feature a demonstration by the SGIP [OpenFMB](#) committee, featuring new use cases for Microgrid Management, Distributed Energy Resources (DER) Management and Management services.

## Early Bird registration Rates for the 2016 Grid Modernization Summit Extended to September 30

If you haven't [registered for the 2016 Grid Modernization Summit](#) in Washington D.C. from November 7-10, the Early Bird Registration deadline has been extended. Register before September 30 to take advantage of the best rates.

Please join us this November for an executive forum including our industry's foremost leaders, SGIP Technical Working Group and Committee meetings, our Vendor Expo, and the Annual Member and Board Meeting.

## Welcoming India Smart Grid Forum to SGIP

I'm delighted to welcome India Smart Grid Forum (ISGF) to the SGIP community. ISGF has more than 200 members working to accelerate the development of smart grid technologies in the India power sector.



Sharon Allan  
President and CEO

## PMO Update

### from Aaron Smallwood, SGIP VP of Technology Operations

#### Orange Button Area A Requirements Working Group F2F at SPI

The Orange Button Area A Requirements Working Groups had an in-person meeting at [Solar Power International](#) in Las Vegas, Nevada on Thursday, September 15, 2016. Over 30 participants met to continue to developing market requirements and use cases while coordinating and sharing information across all Orange Button Working Groups.

#### OpenFMB In-Person Meeting at Duke Energy

The OpenFMB team held a face-to-face meeting on August 24th at Duke Energy's Mt. Holly facility. We finalized the use case and execution plan for the live OpenFMB demonstration during the Vendor Expo at SGIP's 2016 Grid Modernization Summit in November. Several noteworthy discussions took place, including a walk-through of the OpenFMB Online Repository beta site by John Camilleri of Green Energy Corporation, as well as a very informative tour of Duke Energy's Mt. Holly facility. [Click here for more details.](#)



[LEARN MORE](#)



Orange Button Area A Requirements Working Group F2F in Las Vegas, Nevada, September 15



OpenFMB F2F Meeting at Duke Energy's Mt. Holly facility, August 24

## 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.



### Vicki Trees, Landis+Gyr

Vicki Trees has been an active participant in the advanced metering market for over ten years. She has held roles in product management, marketing, business process consulting and customer relations. In her current role with Landis+Gyr as Director of Marketing, she is responsible for promoting the benefits of smart grid technologies to utilities and within the market as a whole. Prior to joining the industry, Trees served as general manager in the cable television industry and held positions in marketing and service in telecommunications. Trees holds a degree in Economics.

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

## SGIP News

### Call for Candidates: 2017 Board of Director Elections

SGIP is issuing a *Call for Candidates* to serve on the SGIP 2017 Board of Directors. The Board term is 2 years. The SGIP Board provides strategic direction and oversight, provides their own network of influence, and inspires the organization.

Open Board Positions Include:

- Director elected from Manufacturing interest category
- Director elected from Consumer, Policy & Government interest category
- Director elected from the Service Providers and System Administrators interest category
- Director elected from the SDOs and Consortia interest category
- Director elected from the At-Large category



We encourage all SGIP Members to consider candidates for submission of these open Board positions. Submissions are due by October 10, 2016.

[>> Read more about the open positions, required materials, and election process](#)

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## New Resiliency Subgroup will Bolster Cybersecurity in Smart Grids

The new Resiliency Subgroup is working to strengthen and maintain secure, functioning, and resilient infrastructure in smart grids. As part of the Smart Grid Cybersecurity Committee (SGCC) and Smart Grid Architecture Committee (SGAC), the group meets bi-weekly to share presentations, review topics and make decisions to develop cyber resiliency. The next meeting is on September 29, 2016, and the group will collaborate face-to-face at the [SGIP 2016 Grid Modernization Summit](#) in November. Resiliency is the ability to withstand or recover rapidly from disruptions, whether they be deliberate attacks, accidents, or naturally occurring threats or incidents. Goals of the Resiliency Subgroup include the following:

- Crafting guidance documentation (presentations and/or white papers)
- Helping the industry build in resiliency features like loose coupling and redundancy
- Identifying solutions for supply chain and scalability.

To learn more or to join the Resiliency Subgroup, contact Elizabeth Sisley at [esisley@gmail.com](mailto:esisley@gmail.com).

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### Leadership Positions Open in Smart Grid Testing and Certification Committee

The Smart Grid Testing and Certification Committee (SGTCC) is looking for new leadership in promoting the development of smart grid test programs for the U.S. grid. The positions of Chair and Secretary are up for refresh. The SGTCC is a standing Committee within the SGIP with diverse membership that includes research institutions, test labs, utilities, manufacturers, industry alliances and associations, standard development organizations, and others.

[>> Click here for more information](#)

### Electric Energy Online Published an Article on OpenFMB Authored by SGIP's Aaron Smallwood

Aaron Smallwood, VP of Technology Operations at SGIP, recently wrote an article about the upcoming milestones for OpenFMB and [you can read the article at Electric Energy Online](#). OpenFMB is a framework that enables communication between devices at the grid edge. In his article, Smallwood explains what the framework is, the progress made this year, an online community that will share OpenFMB code, and the use cases that will be shown at a demonstration in the [2016 Grid Modernization Summit](#) in November.

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## 2016 SGIP Members Choice Awards

*For SGIP Members Only...Members Awarding Members*

At the [Grid Modernization Summit](#) in November, SGIP members will have a say in recognizing each other's contributions in the first annual SGIP Members Choice Awards. In addition to the President's Award at the Summit, the Members Choice Awards will acknowledge standout achievements in interoperability. Now is your chance to recognize SGIP members who have made exceptional strides in advancing interoperability by nominating them in the 2016 Members Choice Awards categories below:

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

[LEARN MORE](#)

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## The Grid Management Team Met at Duke Energy in August

Twenty-two participants met for a Grid Management meeting at the Duke Energy facility in Charlotte, North Carolina on August 25th. They focused on the capabilities and new requirements needed to ensure seamless microgrid operations in the midst of high penetration of DERs (distributed energy resources). The goals of the meeting were to generate common requirements to influence vendors, and agree upon system/development/organizational capabilities needed. Duke Energy, Xcel Energy, and ComEd presented on microgrid projects.

[The Grid Management Group](#) is facilitated by SGIP and brings together utility leaders in Grid Operations technology and business to find solutions needed to manage a more complex grid due to the rapid rise of DERs. The committee's next meeting will be on Monday, November 7th at the [2016 Grid Modernization Summit](#).

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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](mailto:gpuccio@sgip.org).

## SGIP-Hosted Events

**Registration Rates Increase After September 30!**

# GRID MODERNIZATION SUMMIT 2016

“ACCELERATING TRANSFORMATION”

**What:** 2016 Grid Modernization Summit

**When:** November 7-10, 2016

**Where:** The Capital Hilton, Washington, DC (reserve rooms [here](#))

**Who:** Everyone! Both members and non-members can attend.

Hosted by the SGIP consortium, this executive summit promises to be filled with the latest in grid modernization and networking opportunities for non-members, members and guests to create connections, advance transformation, and share solutions. The deadline to receive the best registration rates has been extended from September 15 to September 30.

With a speaker program composed of utility, vendor, and industry senior executives, government, regulators, national labs, and consultants, the 2016 Grid Modernization Summit's theme is “Accelerating Transformation.” The latest speaker to join the program is Edmund Schweitzer III, President & Chairman of the Board for Schweitzer Engineering Laboratories.

Plan to join us, and register before September 30 for the best rates.

[Learn More](#)

## **Grid Management Meeting at 2016 Grid Modernization Summit - November 7th, 2016**

This meeting will be held at the 2016 Grid Modernization Summit at the Capital Hilton in Washington, DC and will include participation from National Labs leaders. Meeting details are forthcoming. Interested utilities should contact Sharon Allan at [sallan@sgip.org](mailto:sallan@sgip.org).

## Recent Webinars

### **Did you miss one of our recent 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](#).

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## **In Case you Missed the the Orange Button Program Update Webinar**

[The Orange Button initiative](#) supports the creation and adoption of industry-led open data standards for rapid and seamless data exchange across the solar value chain, from origination to decommissioning. SGIP is one of four organizations chosen to lead the initiative by the [U.S. Department of Energy SunShot Initiative](#).

Leaders from Orange Button gave an update on their achievements in an SGIP-hosted webinar on August 30, 2016, and you can [watch the replay](#) and [download the presentation](#). After its formal kickoff in July, the initiative has more than 300 participants and five working groups engaging in detailed discussions around requirements and scoping.

Anyone involved in the lifecycle of a solar project would benefit from this webinar replay.

## Industry News and Events

### IoT Stakeholders Explored “Trustworthiness” at NIST Workshop/Webcast, August 30-31, 2016

Technical experts and policy leaders from the world of Cyber-Physical Systems (CPS) and the Internet of Things (IoT) gathered last month to examine “Trustworthiness” — a key concept from the [CPS Framework](#) that integrates issues related to safety, security, resilience, reliability, and privacy.

The workshop—held August 30-31, 2016, at the NIST campus in Gaithersburg, Maryland—focused on the integration of approaches from engineering to the conceptualization, realization, and assurance of safe, secure, and effective CPS and IoT systems. Edward Griffor, Associate Director, Smart Grid and Cyber Physical Systems Program Office, organized the workshop: “These were highly stimulating, cross-sector discussions that made a good start at building bridges in trustworthiness efforts.”

[>> Read More](#)

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### Innovative Smart Grid Technologies (ISGT 2016) Conference Featured NIST Staff, September 7-9, 2016

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 utility executives’ perspectives. The program also featured more than 20 panels on selected topics, from synchro phasors to microgrid controllers and from distributed energy resources to cybersecurity. In addition, more than 125 technical papers and posters were presented.

SGIP was well represented at the conference, with a number of current and former leaders in attendance, including Sharon Allan, SGIP CEO and President. For example, during a panel on Transactive Energy, several members of SGIP’s Transactive Energy Coordination Group (TECG) discussed ongoing activities, including TECG’s white paper (available soon) and NIST’s Transactive Energy Challenge.

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#### 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 an 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

#### SAVE THE DATE: Grid Modernization Interoperability Strategic Vision Meeting

September 27-28, 2016, Chicago, Illinois, USA

Under its Grid Modernization Initiative, the U.S. Department of Energy (DOE), in collaboration with energy industry stakeholders, has developed a multi-year plan to modernize the electric grid. Join the DOE’s project to advance one of

identify and analyze...  
> > [Keep Reading](#)

the foundational topics that could accelerate  
modernization efforts: interoperability.  
> > [Learn More](#)

## 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.

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

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