NITSL Newsletter

Our goal is to keep members informed and involved. Please check out the "NITSL Snippets" section at the bottom of the newsletter for links to additional information. Feel free to provide feedback or comments at any time.

Chairman's Update

A big THANK YOU to all who were able to attend the 2019 NITSL Conference in Birmingham. I hope you enjoyed your time in the Magic City. This year's conference offered a variety of presentations, including information on both Leadership and Innovation. As always, the Standing Committees did an amazing job presenting and facilitating the sharing of information.   Much appreciation to all those that presented as well as those who engaged in the exchange of information. This year there was also additional time allotted for our vendor representatives to spend sharing information with our membership.

I hope all of you are planning to join us next year at the Inner Harbor in Baltimore, Maryland where Exelon will be hosting the 46th Annual NITSL Conference.   Planning for that conference is already in progress. The NITSL EC, along with the Exelon planning committee, will be walking down the hotel venue in September.

This year's conference is over but we still have work to do. The effort to complete the initiatives already underway as well as new initiatives will require support from our entire organization. I challenge each of you to be fully and regularly engaged in at least one of our standing committees. Our website, NITSL.org, has been updated to show each sub-committee's chairs and co-chairs. If you are not already involved, please reach out to one of those individuals and ask to be included in the monthly meetings. Ask how you can be a contributor to making NITSL even better.

Our Next Conference Host

The 2020 conference will be hosted by Exelon. Exelon is a FORTUNE 100 company that works in every stage of the energyy business: power generation, competitive energy sales, transmission and delivery. As the nation's leading competitive energy provider, Exelon does business in 48 states, D.C., and Canada and had 2018 revenues of $35.9 billion. We employ approximately 33,400 people nationwide.

Exelon's family of companies represents every stage of the energy value chain. Exelon's six utilities deliver electricity and natural gas to approximately 10 million customers in Delaware, the District of Columbia, Illinois, Maryland, New Jersey and Pennsylvania through its Atlantic City Electric, BGE, ComEd, Delmarva Power, PECO and Pepco subsidiaries. Exelon is one of the largest competitive U.S. power generators, with more than 32,000 megawatts of nuclear, gas, wind, solar and hydroelectric generating capacity comprising one of the nation's cleanest and lowest-cost power generation fleets. The company's Constellation business unit provides energy

products and services to approximately 1.8 million residential, public sector and business customers, including more than two-thirds of the Fortune 100.

Exelon Nuclear operates America's largest fleet of nuclear power plants. We've had a very strong record of performance in the business for 18 consecutive years, with a 2018 capacity factor of 94.6 percent. The Exelon nuclear fleet is a powerhouse, producing approximately 158 million megawatt-hours of electricity every year.

Meet the new Executive Committee Members

Chairman – Pat Swinson, IT Manager at Southern Nuclear Plant Hatch

Pat Swinson has over 30 years of IT experience supporting Southern Nuclear needs at generating sites, in fleet applications, and in new nuclear. She is responsible for leading the site IT group in supporting all aspects of Hatch's IT needs, including application and network support as well as communication systems support.

Vice-Chairman – Matt Coulter, Duke

Matt Coulter has worked for Duke Energy over the last 11 years. His focus has been on the implementation of secure cyber security technologies; establishing sound cyber security practices and operations for Duke Energy.   Mr. Coulter has supported the Industry by participating on the NEI Cyber Security Task Force and NITSL Cyber Security Standing Committee. Mr. Coulter has a Bachelor of Science in Computer Engineering from the University of North Carolina Charlotte, and holds CISSP and GRID certifications in good standing.

Financial Officer – Phillip J. Zeringue; Director of Information Technology at APS's Palo Verde Nuclear Generating Station

As director of IT Zeringue is responsible for all aspects of IT for Palo Verde. Zeringue joined APS in 2015 and has served in leadership positions for IT projects, applications and control systems. Prior to joining APS, he served as a director and manager at Tennessee Valley Authority holding leadership roles in IT, nuclear plant maintenance, engineering and project management. He also has held IT leadership positions at Exelon Nuclear, Europe Online Networks SA and Ephibian.

He received a Bachelor of Science degree in Electrical Engineering from the University of Arizona Over his more than 20 years in the utility and technology industry, the common denominator has been using leadership and technology to improve organizational performance and health; drive greater efficiencies; greater cost reductions; and transform how work is done.

Secretary – Misty Goff, IT Manager at Exelon

Misty Goff is an IT Professional currently functioning as the IT Manager for IDEA Team at Exelon Generation. She has been actively working in IT for the past 20+ years with the last 6 in Nuclear at Exelon. She holds a BBA in Computer Information Systems and a MAED in Secondary Business Education. The ability to be a liaison between the technical and business aspects of a solution is a strength and allows for a better working relationship to drive innovation across the organization.

"My goal is to achieve communication and a true partnership between IT and our business partners to deliver truly innovative, cost effective, and cost saving initiatives to the fleet."

Communications – Noel Abascal, Agile Leader at Florida Power & Light (FP&L)
Noel is an Agile Leader with over 12 years of experience in project management. He has managed multiple projects across the Power Delivery and Nuclear business units. His most recent project was to deploy an Electronic Work Package (eWP) solution across the NextEra/FP&L Nuclear fleet.

Standing Committee Leads

Infrastructure & Applications:
Walter Church (Southern) – Chair; Matt Rhone (Talen) – Co-chair

Software Quality Assurance:
Maheeja Kotareddy (Duke) – Chair; Kim Passalugo (Entergy) – Co-chair

Cyber Security:
Dave Fetil (XeNuclear) – Chair; Dewey Coulon (Entergy) – Co-chair

Digital Controls:
Sharon Gray (Southern) – Chair; Timothy Streeter (Exelon) – Co-chair

Cyber Security Update

The NITSL Cyber Security Standing Committee (CSSC) selected the following initiatives to work on throughout the year.

- *Performance Indicators 2018-2019 Initiative Continuation (Miranda Wolf –Lead, Shonique Miller, Erik Miller, Dan Vice, Eugene Keller)*
- *Vulnerability Management Standards and Best Practices (Jim Shank –Lead, Matt Coulter, Miranda Wolf, Alexandria Corl, Kandy Bishop, Ryan Zecman)*
- *EPRI TAM Evaluation/Incorporation into existing NRC Requirements (Kevin Sykes - Lead, Scott Junkin, Matt Coulter, Alexandria Corl, Rory Gunter, Eugene Keller)*

Digital Controls Update

The NITSL Digital Controls committee is currently pursuing the following initiatives to work on throughout the year.

- *Field programmable gate array safety related devices-Paul Primavera (NuScale)/Robert Ammon (Curtiss-Wright)*
- *Virtualization and emulation of plant hardware-Paul Carlson (Exelon)/ Mike Peutl (Exelon)*
- *Improve Operations use of plant process computer-Tim Streeter (Exelon)*

- *Data acquisition for real time systems -Mike Peutl/Tim Streeter (Exelon)*
  - ✓ *Real time data for Ops use*
  - ✓ *Level 3 Wireless*
  - ✓ *Nuclear Segmented Sensor Network for IoT devices – Sharon Gray (Southern)*
- *Improve Operations use of plant process computer -Tim Streeter (Exelon)*
- *Industry Survey*
  - ✓ *Industry staffing levels for operations technology at nuclear plants -Steve Russ (Southern)*
  - ✓ *Metrics used to monitor real-time systems-Sharon Gray (Southern)*
- *EPRI Initiatives*
  - ✓ *EPRI DEG-Designing digital systems from systems engineering approach to prevent obsolescence(HWagnostic) –Paul Carlson*
  - ✓ *EPRI TAM - (technical assessment methodology) from a digital controls perspective – Collaboration with Cyber (Scott Junkin)*
  - ✓ *EPRI Plant Modernization*
- *Control Room modernization at Dominion/North Anna -TBD*

Infrastructure & Applications Update

The NITSL I&A committee is currently pursuing the following initiatives to work on throughout the year.

- *Dynamic Adaptive Procedures –Johanna Oxstrand*
- *RPA (Robotic Process Automation) –Morgan Keeler*
- *Analytics (AI & ML) –Hamid Goshvar*
- *10CFR810(best practices) –Mary Slade-Branham*
- *DAS (Distributed Antennae System infrastructure) –Dustin Hess*
- *Business & IT Partnership –Alisha Bettcher*
- *Alignment with EPRI/INL DNP efforts –Jim Hill*
- *I&A Collaboration –Marty Vance*
- *Containers Orchestration -Matt Rhone/Dustin Hess*
- *Application Portfolio Management –Matt Rhone*
- *RFID Update –Marty Vance/Walter Church*

Software Quality Assurance Update

The NITSL SQA Committee is currently pursuing the following initiatives throughout the year.

- *SQA & Retirement Process*
- *SQA & Software Owner Role*

- *SQA's Definition of "Commercial Off the Shelf Software"*
- *Cloud Hosting*
- *Review of following and update NITSL Guidance as needed:*
  - ✓ *NRC inspection procedure 35710*
  - ✓ *NQA 1 –Part 2.7 –Al Hays, Linda Marr*
  - ✓ *INPO 12014*
  - ✓ *EPRI*
- *Knowledge Sharing*
  - ✓ *SQA Metrics throughout the Industry*
  - ✓ *Managing SQA Application Inventory*
  - ✓ *Required Software Lifecycle Documentation Templates/Explanations*
- *Meeting & SharePoint Enhancement*
- *SQA for Decommissioning Site*
- *Cross Committee Collaboration*

Drowsy Driving is Impaired Driving

According to the National Sleep Foundation, about half of U.S. adult drivers admit to consistently getting behind the wheel while feeling drowsy. About 20% admit to falling asleep behind the wheel at some point in the past year – with more than 40% admitting this has happened at least once in their driving careers.

These startling figures show how prevalent drowsy driving is. What drivers may not realize is how much drowsy driving puts themselves – and others – at risk. In fact, an estimated 5,000 people died in 2015 in crashes involving drowsy driving, according to a Governors Highway Safety Association report.

Click here for additional information on the impact of drowsiness while driving.

NITSL Snippets

- Need to know who to contact? Visit the NITSL website and a list of the current Executive Committee members and Standing Committee chairs/co-chairs.

Visit us at www.nitsl.org. Comments, questions or story ideas are always welcome.