

TRANSMISSION RESILIENCY SUMMIT AGENDA

Focus Areas: Grid Security Emergency Preparation and Response – Incident Command Structure; Emergency Communications; Blackstart and Critical Load Restoration; Actions to Address Cyber, Physical and EMP threats

April 3-4, 2019

EPRI Charlotte Offices
Building 3, Room 741
1300 West WT Harris Blvd, Charlotte, North Carolina 28262, USA
Dress: Business Casual

DAY ONE – OPEN		
TIME	TOPIC	SCHEDULED PRESENTERS
7:30 a.m.	Continental Breakfast and Registration	
8:00 a.m.	Welcome, Safety Briefing and Introduction	<ul style="list-style-type: none"> • <i>Andrew Phillips, EPRI</i> • <i>Kevin Berent, EPRI</i>
8:10 a.m.	Resiliency – EPRI, NERC, NATF Views	<ul style="list-style-type: none"> • <i>Andrew Phillips, EPRI</i> • <i>James Merlo, NERC</i> • <i>Tom Galloway, NATF</i>
8:45 a.m.	Resiliency Perspectives – Keynote Speakers	<ul style="list-style-type: none"> • <i>Moderator: Tom Galloway, NATF</i> <p><i>Speakers</i></p> <ul style="list-style-type: none"> • <i>Brian Harrell, US Department of Homeland Security</i> • <i>Joe McClelland, FERC Office of Electric Infrastructure Security</i> • <i>Mark Harvey, White House National Security Council</i>
9:45 a.m.	Break	
10:15 a.m.	Session 1: EPRI EMP and GMD Update	<ul style="list-style-type: none"> • <i>Moderator: Kevin Berent, EPRI</i> <p><i>Panelists</i></p> <ul style="list-style-type: none"> • <i>Randy Horton, EPRI</i> <ul style="list-style-type: none"> • <i>EMP Update</i> • <i>Bob Arritt, EPRI</i> <ul style="list-style-type: none"> • <i>GMD Update</i>

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11:00 a.m.	Session 2: NATF/EPRI Resiliency Technical Advisory Group Update	<ul style="list-style-type: none"> • Moderator: Ed Ernst, NATF/Kevin Berent, EPRI <p><i>Panelists</i></p> <ul style="list-style-type: none"> • Don Roberts, Southern Company • Kevin Berent, EPRI
11:15 a.m.	Session 3A: Incident Command Structure	<ul style="list-style-type: none"> • Moderator: Bill Lawrence, NERC E-ISAC <p><i>Panelists</i></p> <ul style="list-style-type: none"> • ICS – What is it <ul style="list-style-type: none"> • Battalion Chief Robert Wike Graham II, Charlotte-Mecklenburg Emergency Management Office • Captain Chris Alverson, Savannah River Site Fire Department • Member experiences implementing ICS <ul style="list-style-type: none"> • Bennett Gaines, FirstEnergy • Kathy Bosse, Exelon • Charles Poliseno, Duke Energy
12:30 p.m.	Lunch	
1:30 p.m.	Session 3B: Incident Command Structure	<ul style="list-style-type: none"> • Moderator: Bill Lawrence, NERC E-ISAC <p><i>Panelists</i></p> <ul style="list-style-type: none"> • Drill learnings <ul style="list-style-type: none"> • Crystal Chambers, Southern California Edison <ul style="list-style-type: none"> • <i>October 2018 cyber drill</i> • Manny Cancel, Consolidated Edison <ul style="list-style-type: none"> • <i>Fall 2018 DARPA drill</i> • Steven Briggs, TVA <ul style="list-style-type: none"> • <i>GridEx learnings</i> • Guenter Conzelmann – Argonne National Lab <ul style="list-style-type: none"> • <i>Data/analytics/animation used to increase drill realism</i>
2:45 p.m.	Break	
3:15 p.m.	Session 4: Tools for Communications during Black Sky and High Impact/Low Frequency Events	<ul style="list-style-type: none"> • Moderator: Kevin Berent, EPRI <p><i>Panelists</i></p> <ul style="list-style-type: none"> • Don Roberts, Southern Company • Andrew Phillips, EPRI • Ross Merlin, Department of Homeland Security SHARES

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4:45 p.m.	Day One Wrap-up and Closing comments	• <i>Tom Galloway, NATF</i>
5:15 p.m.	Reception <i>Hosted at NATF Office</i> <i>9115 Harris Corners Parkway, Suite 350</i> <i>Charlotte, NC 28269</i>	

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DAY TWO - OPEN

TIME	TOPIC	SCHEDULED PRESENTERS
7:30 a.m.	Continental Breakfast and Registration	
8:00 a.m.	Welcome	<ul style="list-style-type: none"> • <i>Matt Wakefield, EPRI</i>
8:15 a.m.	Session 5: Blackstart and Critical Load Restoration	<ul style="list-style-type: none"> • <i>Moderator: Ed Ernst, NATF</i> <p><i>Panelists</i></p> <ul style="list-style-type: none"> • <i>Dr. Hung-Ming Chou, Dominion Energy</i> • <i>Scott Key and David Plumb, TVA</i> • <i>Vikas Singhvi, EPRI</i>
9:30 a.m.	<i>Break</i>	
9:45 a.m.	Session 6: Physical Security- Addressing the Drone Threat	<ul style="list-style-type: none"> • <i>Moderator: Kevin Berent, EPRI</i> <p><i>Panelists</i></p> <ul style="list-style-type: none"> • <i>Michael Bowen, NERC E-ISAC</i> • <i>Travis Moran, SRC. Inc.</i> • <i>Taylor Cox, Xcel Energy</i> • <i>Kevin Berent, EPRI</i>
11:15 a.m.	<i>Lunch</i>	
12:15 pm	Session 7: Cyber Threat Detection and Metrics	<ul style="list-style-type: none"> • <i>Lead/Moderator-Jose Flores, NATF</i> <p><i>Panelists</i></p> <ul style="list-style-type: none"> • <i>Cyber Threat Detection and Hunting</i> <ul style="list-style-type: none"> • <i>Joseph Adams, Duke Energy</i> • <i>Sam Pierre-Louis, FirstEnergy</i> • <i>Rollie Berry, DHS</i> • <i>Cyber metrics</i> <ul style="list-style-type: none"> • <i>Bill Lawrence, NERC E-ISAC</i> • <i>Candace Suh Lee, EPRI</i>
1:45 p.m.	<i>Break</i>	

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2:00 pm	Session 8: Addressing the challenge of Cyber Security Supply Chain Risks – Supplier/Vendor perspectives	<ul style="list-style-type: none"> • <i>Moderator: Ken Keels, NATF</i> <p><i>Panelists</i></p> <ul style="list-style-type: none"> • <i>Edna Conway, CISCO</i> • <i>Robert Koziy, OSI</i>
3:00 p.m.	R&D Brainstorming	<ul style="list-style-type: none"> • <i>Kevin Berent, EPRI</i>
3:15 p.m.	Closing Comments	<ul style="list-style-type: none"> • <i>Tom Galloway, NATF</i>
3:30p.m	Adjourn	
3:45 p.m.	EPRI EMP Lab Tour- Optional/Duke Energy System Operations Center Tour-Optional	