ICSJWG
Industrial Control Systems Joint Working Group

TUESDAY, SEPTEMBER 13, 2016

Time				
7:45 – 8:35 a.m.	**CHECK-IN** **All times correspond to local time**			
8:35 – 9:00 a.m.	**MEETING WELCOME & OPENING REMARKS** **Neil Hershfield** U.S. Department of Homeland Security Deputy Director, Industrial Control Systems Cyber Emergency Response Team			
9:00 – 10:00 a.m.	**KEYNOTE ADDRESS** **Hackers Vote Too: Cyber Security and Its Effect on American Politics** **Billy Rios** WhiteScope			
10:00 – 10:20 a.m.	**BREAK**			

Time	**MAIN**	**BREAKOUT 1**	**BREAKOUT 2**
10:20 – 11:05 a.m.	**DEMONSTRATION** **Build, Break and Cybersecure Demonstrations** Matthew Luallen, CYBATI	**Industrial Control System Security: Trends in Insecurity** Joseph Januszewski, Electricity ISAC (E-ISAC)	**Lessons Learned from Exploiting IoT in the Enterprise** Dr. Wesley McGrew, HORNE Cyber
11:10 – 11:55 a.m.	**Black Energy Briefing** David Hudson, INL supporting ICS-CERT Kyle McCready, INL supporting ICS-CERT		**Practical Application Layer Emulation in Industrial Control System Honeypots** Stephen Dunlap, AFIT sponsored by ICS-CERT Htein Lin, AFIT sponsored by ICS-CERT

Time				
11:55 – 1:10 p.m.	**LUNCH – KNOW YOUR NETWORK WORKSHOP OPEN FROM NOON – 1 PM**			
1:10 – 1:20 p.m.	**RECONVENE IN MAIN ROOM**			
1:20 – 2:05 p.m.	**KEYNOTE ADDRESS** **John Felker** U.S. Department of Homeland Security Director, National Cybersecurity and Communications Integration Center (NCCIC)			

Time	**MAIN**	**BREAKOUT 1**	**BREAKOUT 2**	**WORKSHOP**
2:10 – 2:55 p.m.	**PANEL** **Compromised and Still Operating** Sandra Bittner, Arizona Public Service - Moderator	**Next Evolution in Agile Response** Bob Caliva, INL John-Mark Gurney, New Context	**LIGHTNING ROUNDS** **IEC-62443 and the Security Development Lifecycle** Brian Wisniewski, Rockwell Automation **ICS IT Self-Education** Ian Wills, US Army ARDEC Joe Bova, US Army ARDEC **Control System Network Security** Andrew Ginter, Waterfall Security Joel Langill, AECOM	**Know Your Network Workshop** This new workshop, organized by the Advanced Analytic Laboratory (AAL), will introduce participants to using freely available tools to discover what is really going on in their network. Two short presentations, "Network Monitoring of ICS" and "Google Hacking/Shodan," will be offered throughout the time allotted for the workshop on each day of the meeting for all who are interested. Two different hands-on workshops will be available to help participants better understand how they can use the information shared in the presentations to better defend their networks.
2:55 – 3:15 p.m.	**BREAK**			
3:15 – 4:30 p.m.	**PANEL** **Vulnerability Coordination** Kevin Hemsley, INL supporting ICS-CERT- Moderator Billy Rios, WhiteScope Brian Castle, INL supporting ICS-CERT Suzanne Schwartz, FDA Michael McNeil, Philips Mike Ahmadi, Synopsys Jon Crosson, NH-ISAC			
4:30 – 5:00 p.m.	**HOUSEKEEPING REMARKS – NETWORKING AND WORKSHOP OPEN UNTIL 5:00 P.M.**			

WEDNESDAY, SEPTEMBER 14, 2016

Time	MAIN	BREAKOUT 1	BREAKOUT 2	WORKSHOP
7:45 – 8:30 a.m.	**CHECK-IN** **All times correspond to local time**			
8:30 – 8:35 a.m.	**DAILY OPENING REMARKS** **Elke Sobieraj** Chief of Private Sector Assessments Industrial Control Systems Cyber Emergency Response Team			
8:35 – 9:35 a.m.	**KEYNOTE ADDRESS** **Joel Langill** AECOM			
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**	**WORKSHOP**
9:40 – 10:25 a.m.	**ICS Cybersecurity Assessment of 30 Virginia Water Utilities** Kyle Miller, Booz Allen Hamilton	**CSET 8.0** Barry Hansen, INL supporting ICS-CERT	**Please Don't Throw Me into That Briar Patch! - OT Security - The Big Picture** Mike Glover, TDi Technologies	**Know Your Network Workshop** This new workshop, organized by the Advanced Analytic Laboratory (AAL), will introduce participants to using freely available tools to discover what is really going on in their network. Two short presentations, "Network Monitoring of ICS" and "Google Hacking/Shodan," will be offered throughout the time allotted for the workshop on each day of the meeting for all who are interested. Two different hands-on workshops will be available to help participants better understand how they can use the information shared in the presentations to better defend their networks.
10:25 – 10:45 a.m.	**BREAK**			
10:45 – 11:30 a.m.	**Viewing Your Network Through the Eyes of an Attacker** Richard Wyman, INL/ICS-CERT Terrance McKay, INL/ICS-CERT	**The Benefits of Virtualization in ICS Incident Response** Justin Cavinee, Dragos Security Jon Lavender, Dragos Security	**Assessing Energy Systems Using Live Analysis, A Toolkit Approach** Lori Ross O'Neil, PNNL Theora Rice, PNNL	
11:30 – 12:55 p.m.	**LUNCH**			
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**	
12:55 – 1:40 p.m.	**Protecting Toothbrushes and Diamonds: One Size Doesn't Fit All** Kelley Dempsey, NIST	**DoD Advanced Control Systems Tactics, Techniques and Procedures** Dr. Michael Chipley, PMC Group Daryl Haegley, DoD	**Cyber Security of Digital Maintenance and Test Equipment** Michael Toecker, Context Industrial Security	
1:45 – 2:30 p.m.	**PANEL** **Transportation Systems Sector: A Public-Private Partnership that Works!** Peter Sindt, TSA - Moderator Thomas Farmer, AAR LT Josephine Long, USCG Lee Allen, TSA Fay Francy, Boeing	**Applying Basic Business Intelligence Tools and Techniques for Defensible Risk Remediation** Rob McComber, Schneider Electric	**NERC CIP Compliance and ICS Cyber Security** Alan Farmer, Burns & McDonnell	
2:30 – 2:45 p.m.	**BREAK**			
2:45 – 3:30 p.m.	**Project CAMERASHY: Closing the Aperture on China's Unit 78020** Toni Gidwani, ThreatConnect	**DEMONSTRATION** **Cyber Attacks on the ICS Supply Chain** Dario Lobozzo, Radiflow	**How to Apply ISA 62443 Standards to Protect Virtual Architectures** Kenneth Frische, aeSolutions	
3:35 – 4:50 p.m.	**PANEL** **Research in Vulnerabilities** Ray Fox, INL supporting ICS-CERT - Moderator Billy Rios, WhiteScope Brian Gorenc, Trend Micro Ryan Wincey, Securifera Lothar Braun, Siemens			
4:50 – 5:00 p.m.	**HOUSEKEEPING REMARKS – CLOSE OF DAY 2**			

THURSDAY, SEPTEMBER 15, 2016

7:45 – 8:30 a.m.	**CHECK-IN** **All times correspond to local time**			
8:30 – 8:35 a.m.	**DAILY OPENING REMARKS** **Janine Sheppard** Lead of ICSJWG & Outreach Industrial Control Systems Cyber Emergency Response Team			
8:35 – 9:35 a.m.	**KEYNOTE ADDRESS** **Marty Edwards** U.S. Department of Homeland Security Director, Industrial Control Systems Cyber Emergency Response Team			
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**	**WORKSHOP**
9:40 – 10:25 a.m.	**Assess the Mess – Know Your ICS/SCADA Infrastructure** Matthew Hood, NSA Michael Andrews, NSA		**UK ICS Cyber Assessments Overview and Future Plans** Dan Bailey, NCSC Matt B, NCSC	**Know Your Network Workshop** This new workshop, organized by the Advanced Analytic Laboratory (AAL), will introduce participants to using freely available tools to discover what is really going on in their network. Two short presentations, "Network Monitoring of ICS" and "Google Hacking/Shodan," will be offered throughout the time allotted for the workshop on each day of the meeting for all who are interested. Two different hands-on workshops will be available to help participants better understand how they can use the information shared in the presentations to better defend their networks.
10:25 – 10:40 a.m.	**BREAK**			
10:40 – 11:25 a.m.	**Cyber Security Implications for UAS in the Energy Sector** Charles Salas, Exelon	**ICS Supply Chain Security** George Masters, Schweitzer Engineering Dennis Gammel, Schweitzer Engineering	**Method of Transforming Audit Results into Actionable Plans** Peter Funck, Swedish Transport Administration	
11:30 – 12:15 p.m.	**How to Build a Repeatable Risk Assessment Methodology** Harry Regan, Securicon Matthew Bebout, Securicon	**Securing ICS Through Data Flow Analysis** Dr. Jerald Dawkins, True Digital Security	**Germany's Cyber Security Situation and the ITSecAct** Olaf Goetz, Federal Ministry of the Interior Jens Wiesner, BSI	
12:15 – 1:30 p.m.	**LUNCH**			
	MAIN	**BREAKOUT 1**	**BREAKOUT 2**	
			PANEL	
1:30 – 2:15 p.m.	**A Simplified Approach to Implementing the NIST CSF Within Operational Technologies** Richard Dahl, cmplid://	**ICS Cybersecurity Regulations: What Can We Learn from History?** Dr. Aaron Clark-Ginsberg, Stanford University	**Ways to Drive ICS Security - International Examples** Kristina Blomqvist, SCCA - Moderator Jens Wiesner, BSI Matt B, NCSC Marit van Galen, NCSC-NL Jason Smith, CERT Australia	
2:20 – 3:05 p.m.	**ASK ME ANYTHING** **Marty Edwards** U.S. Department of Homeland Security Director, Industrial Control Systems Cyber Emergency Response Team			
3:05 – 3:10 p.m.	**HOUSEKEEPING REMARKS – CLOSE OF MEETING**			