



**CISA**  
CYBER+INFRASTRUCTURE



CHEMICAL SECTOR  
COORDINATING COUNCIL



## 2019 Chemical Sector Security Summit Agenda

Astor Crowne Plaza – New Orleans French Quarter

739 Canal Street, New Orleans, LA

### DAY 1 – July 16 – Early Registration & Workshops

11:00 AM - 5:00 PM

Registration and Information ..... *Grand Ballroom Foyer*

Federal Tools and Resources Exchange ..... *Grand Ballroom Gallery*

Exhibit focusing on Federal tools and resources available to stakeholders.

Individual Appointments ..... *Conti*

Meet with government and chemical security experts in a private setting.

*(Appointments are available beginning at 8 AM upon request. Sign up at the Registration Table)*

12:00 PM – 3:45 PM – Breakout Sessions *(See page 2 for details)*

TIMES	LOCATION	TOPICS
Session 1 12:00 PM – 1:00 PM	<i>Grand Ballroom C</i>	Chemical Facility Anti-Terrorism Standards (CFATS) & Personnel Surety Program (PSP) 101
	<i>Grand Ballroom D</i>	Chemical Sector 101
<i>1:00 PM – 1:15 PM Federal Tools and Resources Exchange</i>		
Session 2 1:15 PM – 2:15 PM	<i>Grand Ballroom C</i>	What to Expect During a CFATS Inspection
	<i>Grand Ballroom D</i>	DHS CISA Regional Service Delivery Model – A Better Path to Partnerships
<i>2:15 PM – 2:30 PM Federal Tools and Resources Exchange</i>		
Session 3 2:30 PM – 3:30 PM	<i>Grand Ballroom C</i>	Maritime Transportation Security Act (MTSA) 101
	<i>Grand Ballroom D</i>	Chemical Security Analysis Center (CSAC) Overview
<i>3:30 PM – 3:45 PM Federal Tools and Resources Exchange</i>		

3:45 PM – 5:15 PM

Speed Meeting the Experts ..... *St. Charles Ballrooms A & B*

Engage in a brief exchange with designated government and industry chemical security experts.

*Areas of expertise: Bombing prevention, CFATS, countering weapons of mass destruction (WMD), emergency management, maritime security, and voluntary programs*

5:30 PM – 7:00 PM

**“No Host” Social at the Bourbon House** – *located inside the Astor Crowne Plaza*

144 Bourbon Street, New Orleans, LA 70130

## DAY 1 – BREAKOUT SESSION 1

### Chemical Facility Anti-Terrorism Standards (CFATS) & Personnel Surety Program (PSP) 101

**Speaker** Kelly Murray, Compliance Branch Chief, DHS/CISA  
Shawn Perceful, Senior Chemical Inspector, DHS/CISA/R6

**Moderator** Jennifer Gibson, Vice President, Regulatory Affairs, National Association of Chemical Distributors  
Interactive session on CFATS, the PSP, and resources for new or emerging security professionals.

### Chemical Sector 101

**Speakers** Matt Fridley, Corporate Manager, Safety, Health and Security – Brenntag North America  
Eric Choy, Chief, Chemical Sector Specific Agency Management Team, DHS/CISA

**Moderator** Robert Helminiak, Vice President of Legal and Government Relations, SOCMA

The Presidential Policy Directive 21 identifies the nation's 16 critical infrastructure sectors and role of Sector-Specific Agencies (SSA) to work with owners/operators to manage each sector's risks. Learn about the Chemical SSA, its public-private partnership model, risk landscape, and voluntary/regulatory programs.

## DAY 1 – BREAKOUT SESSION 2

### What to Expect During a CFATS Inspection

**Speakers** Chris McNeely, Supervisory Management Analyst, DHS/CISA  
Doug Frey, Supervisory Chemical Security Inspector, DHS/CISA/R6

**Moderator** Ann Ratliff, Regulatory Analyst, DHS/CISA/R6

The CFATS authorization and compliance inspection ensures that facilities are implementing the measures in their approved security plans. Learn best practices for preparing for an inspection.

### DHS CISA Regional Service Delivery Model – A Better Path to Partnerships

**Speaker** Michael Dailey, Regional Supervisory Outreach Coordinator, DHS/CISA/R6

**Moderator** Andy O'Hare, Vice President of Public Policy, The Fertilizer Institute

CISA's regional offices improve the delivery of products, tools, and resources to better support and engage critical infrastructure stakeholders across the country. Learn about available resources.

## DAY 1 – BREAKOUT SESSION 3

### Maritime Transportation Security Act (MTSA) 101

**Speaker** April Tribeck, District 8, PSS (MTSA-TWIC), DHS/USCG

**Moderator** Jonathan Buckles, Section Chief, Government & Industry Affairs (Acting), DHS/CISA

The U.S. Coast Guard secures the nation's ports and waterways. Learn how USCG inspections ensure vessels and facilities are complying with MTSA, while keeping the balance between security and free flow of trade.

### Chemical Security Analysis Center (CSAC) Overview

**Speaker** Dr. Shannon Fox, Director, DHS/S&T CSAC

**Moderator** Nohemi Zerbi, Chemical Engineer, DHS/CISA

The DHS Chemical Security Analysis Center (CSAC) is the only knowledge management center for assessing threats and hazards of large-scale chemical releases in the U.S. CSAC's focuses include on Chemical Exposure Risk and Consequence Modeling, Analytical Chemistry, Chemical Toxicology, and more.



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## DAY 2 – July 17 – General Session & Breakouts

7:00 AM – 5:00 PM

Registration and Badge Pick Up .....Grand Ballroom Foyer

8:00 AM – 5:00 PM

Federal Tools and Resources Exchange .....Grand Ballroom Gallery

8:00 AM – 8:15 AM

Welcome Message and Presentation of Colors  .....Grand Ballroom

Master of Ceremonies: Edward Flynn, Vice President & Director, Health, Safety & Security,  
Louisiana Chemical Association (LCA)

Louisiana National Guard, Youth Challenge Program, Gillis Long Color Guard

8:15 AM – 9:15 AM

Threats and Risks to the Chemical Sector 

Speakers: Steven Zeringue, WMD Coordinator, Special Agent, FBI

Ben Schott, Meteorologist-in-Charge, National Weather Service, NOAA – New Orleans

The current threat environment for the Chemical Sector from a counter-intelligence perspective,  
and an outlook of the 2019 hurricane season along with weather risks and vulnerabilities to the  
chemical industry in disaster prone areas.

9:15 AM – 9:55 AM

Infrastructure Security Division Leadership Discussion 

Speaker: Brian Harrell, Assistant Director, Infrastructure Security Division, DHS/CISA

Moderator: Amy Graydon, Deputy Director, DHS/CISA

9:55 AM – 10:15 AM – Federal Tools and Resources Exchange

10:15 AM – 10:55 AM

The State of Chemical Facility Anti-Terrorism Standards (CFATS) Program Regulatory Update 

Speaker: David Wulf, Director, Infrastructure Security Compliance Division (ISCD), DHS/CISA

DHS has made substantial progress inspecting facilities, approving security plans, and building  
relationships with stakeholders to address security at our Nation’s high-risk chemical facilities.

This session will provide regulatory updates and future plans for the CFATS program.

10:55 AM – 11:30 AM

U.S. Coast Guard Regulations for MTSA-Regulated Facilities 

Speaker: CAPT Kristi M. Luttrell, Sector Commander, Sector New Orleans, USCG

This briefing will include the latest information on cyber security initiatives - the Cyber Navigation and  
Vessel Inspection Circular (NVIC), the TWIC reader rule, and hurricane preparedness for facilities.

11:30 AM – 12:00 PM

CISA Director ‘s Welcome 

Speaker: Christopher Krebs, Director, DHS/CISA

1:30 PM – 5:00 PM

**Individual Appointments** ..... *St. Charles Ballrooms A & B*

Meet with government and chemical security experts in a private setting.

*(Sign up for an appointment at the Registration Table.)*

1:30 PM – 5:00 PM – **Breakout Sessions** (See pages 5-6 for details)

TIMES	LOCATION	TOPICS
<b>Session 1</b> 1:30 PM – 2:30 PM	<i>Grand Ballrooms A &amp; B</i>	<b>Federal Resources for Industry</b>
	<i>Grand Ballroom C</i>	<b>Hunting for Badness in Industrial Control Systems</b>
	<i>Grand Ballroom D</i>	<b>CFATS Personnel Surety Program (PSP) &amp; Demo</b> 📶
	<i>Astor Ballroom III</i>	<b>Jack Rabbit II Updates</b>
	<i>Astor Ballrooms I &amp; II</i>	<b>First Responders and Chemical Security: When, How, and Why</b>
<b>2:30 PM – 2:45 PM</b> <i>Federal Tools and Resources Exchange</i>		
<b>Session 2</b> 2:45 PM – 3:45 PM	<i>Grand Ballrooms A &amp; B</i>	<b>FBI Resources Overview for Industry</b>
	<i>Grand Ballroom C</i>	<b>Cyber Supply Chain Risk Management – New Federal Authorities Under the SECURE Technology Act of 2018</b>
	<i>Grand Ballroom D</i>	<b>CFATS Deep Dive</b> 📶
	<i>Astor Ballroom III</i>	<b>USCG: Especially Hazardous Cargo</b>
	<i>Astor Ballrooms I &amp; II</i>	<b>International Considerations for Chemical Security</b>
<b>3:45 PM – 4:00 PM</b> <i>Federal Tools and Resources Exchange</i>		
<b>Session 3</b> 4:00 PM – 5:00 PM	<i>Grand Ballrooms A &amp; B</i>	<b>Multidisciplinary Partnerships in Chemical Security and Preparedness</b>
	<i>Grand Ballroom C</i>	<b>A Risk-Management Approach to Theft &amp; Diversion</b>
	<i>Grand Ballroom D</i>	<b>Security and Compliance Requirements for Chemical Release</b> 📶
	<i>Astor Ballroom III</i>	<b>Framework to Address Explosive Precursor Chemicals at Point of Sale</b>

5:00 PM – 7:00 PM – **Networking Reception** .....

Sponsored by the American Fuel & Petrochemical Manufacturers (AFPM), National Association of Chemical Distributors (NACD), SOCMA, and The Chlorine Institute.

## DAY 2 – BREAKOUT SESSION 1

### Federal Resources for Industry

**Speakers** Chuck Leas, BMAP Program Manager, DHS/CISA  
Scott Parker, Soft Targets and Crowded Places Task Force, DHS/CISA  
Jere Miles, Special Agent in Charge - New Orleans, DHS/HSI  
Terrance Allen, DHS/FEMA/CBRNE

**Moderator** Michael Dailey, Regional Supervisory Outreach Coordinator, DHS/CISA/R6

Understand how to engage with federal personnel, the role of federal agencies, and resources from CISA's Soft Target Crowded Places and Office of Bombing Prevention, FEMA, and Homeland Security Investigations.

### Hunting for Badness in Industrial Control Systems

**Speaker** David Hudson, Computer Security Researcher, Idaho National Laboratory

This session covers the potential ramifications of malware in operational technology environments, as well as resources available to communities to improve cyber security in their facilities.

### CFATS Personnel Surety Program & Demo

**Speakers** Kelly Murray, Compliance Branch Chief, DHS/CISA  
Matt Fridley, Corporate Manager, Safety, Health and Security – Brenntag North America

CFATS Personnel Surety Program (PSP) ensures that individuals seeking access to restricted areas and critical assets are vetted for terrorist ties. Learn about the application tool and options to meet the reporting requirements for Risk-Based Performance Standard (RBPS) 12(iv).

### Jack Rabbit II Updates

**Speaker** Dr. Shannon Fox, Director, DHS/S&T/CSAC

**Moderator** Robyn Brooks, Vice President, Health, Environment, Safety and Security, The Chlorine Institute

DHS's Chemical Security Analysis Center (CSAC) led the Jack Rabbit II project in collaboration with various partners and cosponsors. The large-scale outdoor chlorine release field trials and follow-on studies filled critical data gaps for toxic inhalation hazard, chemical release modeling, and emergency response procedures.

### First Responders and Chemical Security: When, How, and Why

**Speakers** Scott Whelchel, Chief Security Officer, Global Director, Emergency Services and Security, DOW  
Steve Shedd, Chief of Regulatory Compliance, DHS/CISA/R6  
Eric Eckel, Global Security Advisor, ChevronPhillips

**Moderator** Shahid Shabazz, Emergency Services Sector-Specific Agency, DHS/CISA

Receive insights into the importance of cultivating first responders and industry relationships, steps to prepare for and respond after a hazardous chemical incident, and lessons learned from incidents with chemicals.

## DAY 2 – BREAKOUT SESSION 2

### FBI Resources Overview for Industry

**Speaker** Lisa Parnpichate, Supervisory Special Agent, FBI

**Moderator** Jeff Gunnulfsen, Senior Director, Security and Risk Management, AFPM

Highlight what the FBI can provide to industry, information on programs such as the Chemical Facility Outreach Program (CFOX), and the responsibilities of the WMD Coordinator.

### Cyber Supply Chain Risk Management – New Federal Authorities under the SECURE Technology Act of 2018

**Speaker** Scott Friedman, Senior Advisor to the Director, DHS/CISA

An introduction to the federal government's renewed focus on supply chain risk management and its impact for federal contractors, subcontractors, and suppliers.

### CFATS Deep Dive

**Speaker** Kelly Murray, Compliance Branch Chief, DHS/CISA

A deep dive and fresh look into the CFATS Risk-Based Performance Standards, best practices to implement approved security plans, and lessons learned from inspections (e.g. documentation required by CFATS).

## **USCG: Especially Hazardous Cargo (EHC)**

- Speakers** Robert Reimann, DHS/USCG  
John Burke, Risk Management Analyst, American Bureau of Shipping Consulting (ABSC)
- Moderator** Nohemi Zerbi, Chemical Engineer, DHS/CISA

USCG briefing on the risk mitigation for bulk transit, transfer and storage of chlorine, anhydrous ammonia, ammonium nitrate, liquefied natural gas, and liquefied petroleum gas on our inland waterways and coastal ports. American Bureau of Shipping Consulting (ABSC) will brief on EHC strategy implementation and a Commodity Flow Model on the transport and transfer of EHC cargoes from 2012-2016.

## **International Considerations for Chemical Security**

- Speakers** Annie Hunziker, Special Assistant, DHS/CISA  
Krzysztof Paturej, President of the Board, International Centre for Chemical Safety and Security  
David Donnelly, Legislative and Regulatory Analyst, Pacific Northwest National Laboratory  
Gary Davis, Director of Security- Americas, Air Liquide USA LLC
- Moderator** David Wulf, Director, ISCD, DHS/CISA

The global chemical supply chain encompasses companies in a variety of different security environments. This session will provide more information on how organizations can ensure chemical security across the world and what other countries are doing to enhance chemical security within their jurisdiction.

## **DAY 2 – BREAKOUT SESSION 3**

### **Multidisciplinary Partnerships in Chemical Security and Preparedness**

- Speakers** Thomas Munoz, Homeland Security Director / Emergency Management Coordinator; City of Texas City, TX; also representing the Industry Mutual Aid System (IMAS)  
Paul Mason, Technical Services Specialist, Honeywell Performance Materials and Technologies  
Michael Mastrangelo, Director of Institutional Preparedness, University of Texas Medical Branch  
Michael Dillon, Lawrence Livermore National Laboratory
- Moderator** Dev Jani, Countering Weapons of Mass Destruction Office, DHS

Panel discussion will explore unique multi-disciplinary partnerships between industry, government, academia, and research institutions. The presentations will focus on how enhanced public-private collaboration and information sharing across these organizations and the chemical sector can optimize a whole-of-society security and resilience to chemical-related incidents.

### **A Risk-Management Approach to Theft & Diversion**

- Speaker** David Reed, Chemist, DHS/S&T
- Moderator** Robyn Brooks, Vice President, Health, Environment, Safety and Security, The Chlorine Institute

DHS has quantitatively evaluated the risk of the theft or diversion of toxic industrial chemicals used in different scenarios to the homeland. Learn about the materials considered, threat vulnerability factors driving the adversary model, consequence calculation methodology, and intersection of this research with CFATS.

### **Security and Compliance Requirements for Chemical Release**

- Speakers** Kelly Murray, Compliance Branch Chief, DHS/CISA  
George Reeves, Emergency Services Sector, DHS/CISA

Learn about the compliance requirements for release chemicals by tier; detection, delay, response and mitigation measures; and voluntary resources to identify and assess cyber vulnerabilities at release facilities.

### **Framework to Address Explosive Precursor Chemicals at Point of Sale**

- Speakers** David Wulf, Director, ISCD, DHS/CISA  
Craig Conklin, Senior Advisor, DHS/CISA
- Moderator** Jonathan Buckles, Section Chief, Government & Industry Affairs (Acting), DHS/CISA

CISA conducted stakeholder meetings on securing explosive precursor chemicals in the U.S. This session overviews a potential path forward to developing a broad, flexible, and commonsense security framework that addresses explosive precursor chemicals at the point of sale without unnecessarily impacting commerce.



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## DAY 3 – July 18 – General Session

7:00 AM – 12:00 PM

Registration and Information ..... *Grand Ballroom Foyer*

8:00 AM – 8:20 AM

Welcome Message  ..... *Grand Ballroom*

*Master of Ceremonies:* Jonathan Buckles, Section Chief, Government & Industry Affairs (Acting), DHS/CISA

DHS Leadership Remarks 

*Speaker:* Steven Nicholas, Regional Director, DHS/CISA/R6

SCC Remarks

*Speaker:* Matt Fridley, Chair, Chemical Sector Coordinating Council (SCC)

8:20 AM – 8:40 AM

Industry Keynote 

*Speaker:* Cal Dooley, President & CEO, American Chemistry Council

This address will highlight the chemical industry’s progress in security since 9/11, in public-private partnership development, and in the safety of its operations, workers, and communities.

8:40 AM – 9:40 AM

Enabling and Air Domain Awareness of Unmanned Aircraft Systems (UAS) 

*Speakers:* Timothy Bennett, Air Domain Awareness Program Manager, DHS/S&T

William “Tom” Hewitt, Chief I&A Threat Integration Cell, DHS/I&A

Scott McHugh, Global Director, Crisis Management and Security, LyondellBasell Industries

*Moderator:* Michael Kennedy, Kennedy Law and Policy

Emerging trends, uses, concerns, and best practices associated with UAS/UAV technology.

9:40 AM – 9:55 AM – *Federal Tools and Resources Exchange – Grand Ballroom Gallery*

9:55 AM – 10:55 AM

Little Arc Flash Demo: How Digital Attacks Can Cause Physical Ramifications 

*Speaker:* David Hudson, Computer Security Researcher, Idaho National Laboratory

Live hack presentation of attacking a power grid, starting from an attack against an employee and moving down the network to cause physical destruction on operational technology (OT) equipment.

10:55 AM – 11:45 AM

Extreme Weather Impacts Panel 

*Speakers:* Frank Revitte – Warning Coordination Meteorologist, National Weather Service, NOAA

Jeff Gage, Group Security, Linde

Rob Glenn, Director, DHS/FEMA Private Sector Division

Scott Whelchel, Chief Security Officer, Global Director, Emergency Services & Security, DOW

*Moderator:* Steven Nicholas, Regional Director, DHS/CISA/R6

Overview and industry perspective on the lessons learned from extreme weather events, and an organization’s roles, responsibilities, and posture in preparation for natural disasters.

11:45 AM – 12:00 PM – Closing Remarks 

*Speakers:* Edward Flynn, Vice President & Director, Health, Safety & Security, LCA

Scott Whelchel, Chief Security Officer, Global Director, Emergency Services & Security, DOW