

# WORLD STANDARDS WEEK 2019

**LEGAL ISSUES FORUM**  
Standardization and the  
Cannabis Industry



**NOVEMBER 6**  
WASHINGTON DC

## PROGRAM AGENDA



# WORLD STANDARDS WEEK 2019



NOVEMBER 6  
WASHINGTON DC

## LEGAL ISSUES FORUM Standardization and the Cannabis Industry



### DIAMOND SPONSOR



### GOLD SPONSOR



### FRIEND SPONSOR



# WORLD STANDARDS WEEK 2019



NOVEMBER 6  
WASHINGTON DC

## LEGAL ISSUES FORUM Standardization and the Cannabis Industry



**2:00 – 5:00 p.m., FHI 360, Academy Hall**

1825 Connecticut Avenue, NW, 8th Floor, Washington, DC 20009

*A discussion of the legal implications, challenges, and opportunities for standardization in light of shifting political and public perspectives on cannabis.*

---

**2:00 – 2:10 pm**    **Welcome Remarks**

**Joe Bhatia**

President and CEO, American National Standards Institute

---

**2:10 – 2:30 pm**    **Keynote**

**Heather Krug**

State Marijuana Laboratory Sciences Program Manager

Colorado Department of Public Health and Environment, Laboratory Services  
Division

---

**2:30 – 3:35 pm**    **The Current and Evolving Legal Landscape, Panel 1: *Clarifying the Rules and Regulations that Govern Cannabis Sales, Production, and Use in the U.S. – and the Implications for Standardization***

*This panel will focus on the legal aspects of the cannabis/hemp business, the federal Controlled Substances Act and the Money Laundering statutes, how these laws are evolving, and finally, how they have or might apply to standards development activities.*

**Moderator: Kyle Sampson**, Partner, King & Spalding

**Panelists:**

- **Alex Malyshev**, Counsel, Carter Ledyard & Milburn; Co-chair of Carter Ledyard's Cannabis, Hemp & CBD Industry Group
- **Raymond Bizal**, Director of Regional Operations, National Fire Protection Association (NFPA)
- **Lezli Engelking**, Founder, FOCUS
- **Charles P. Rutherford**, ASTM D37 Strategy and Standards Development, D37 Standards Implementation for Enterprise and Oversight Agencies

---

**3:35 – 3:50 pm**    **Break**

---

**3:50 – 4:55 pm**    **The Current and Evolving Legal Landscape, Panel 2:** *Understanding the Rules and Regulations Relating to Conformity Assessment Activities that Support Health and Safety*

*This panel will focus on what is being done in the area of cannabis/hemp by the testing communities, in keeping with the laws of their jurisdiction.*

**Moderator: Jeffrey G. Weiss**, Partner, Venable LLP

**Panelists:**

- **Will Woodlee**, Partner, Kleinfeld, Kaplan, & Becker, LLP
- **Stephen Arpie**, Director, Absolute Standards
- **Michael Kahn**, President, MCR Labs
- **Matt Sica**, ANSI National Accreditation Board, Conformity Assessment for Hemp Testing Labs
- **Rhiannon Woo**, Co-founder, TraceTrust

---

**4:55 – 5:00 pm**    **Closing Remarks**

**Joe Bhatia**, ANSI President and CEO



## **SPEAKER BIOGRAPHIES**

### **Stephen J. Arpie, *Panelist***

Stephen J. Arpie is an analytical chemist and the director general of Absolute Standards, Inc., a proficiency-testing provider and reference material producer in Hamden, Connecticut with ISO 17034, ISO 17043, ISO 17025 and ISO 9001 accreditations. In his role, Mr. Arpie provides management oversight of all his company's testing and calibration procedures including a wide-ranging proficiency and calibration-testing program for medicinal and recreational cannabis. He has enjoyed a successful career working as a chemist for Chesebrough-Ponds and in pharmacology while employed by the Yale School of Medicine, Yale University.

### **Joe Bhatia, *Opening Remarks***

Joe Bhatia has been president and CEO of the American National Standards Institute (ANSI) since January 2006. He previously served as executive vice president and COO of the international group at Underwriters Laboratories (UL). Among his numerous leadership positions in domestic and global forums, he serves as vice chairman of the Industry Trade Advisory Committee on Standards and Technical Trade Barriers (ITAC 16), a joint program of the U.S. Department of Commerce and U.S. Trade Representative. He is a member of the International Organization for Standardization (ISO) Council and its Council Standing Committee on Finance. In 2017, he concluded his term as president of the Pan American Standards Commission (COPANT), where he also served as vice president for four years.

### **Raymond B. Bizal, *Panelist***

Raymond B. Bizal is the director of regional operations for the National Fire Protection Association (NFPA). In this capacity, Mr. Bizal oversees the organization's U.S. regional directors, who provide outreach to NFPA's stakeholders in promoting the adoption of codes and standards by local and state authorities, advocating for fire safety at the local and state legislative levels.

He currently serves as vice president of the Board of Directors for the Southern California Chapter of the Society of Fire Protection Engineers (SFPE). Mr. Bizal is also an officer of the California Fire Prevention Institute (CFPI), and serves as a member of the Los Angeles Fire Department's Fire Code Advisory Committee.

### **Lezli Engelking, *Panelist***

Lezli Engelking is the founder and executive chair of the Foundation of Cannabis Unified Standards (FOCUS). Ms. Engelking has been an executive leader in the cannabis industry for nine years, opening the first chain of vertically integrated medical cannabis operations in Phoenix, Arizona. During this experience, Ms. Engelking developed an appreciation of the critical need for cannabis-specific quality and safety standards, which compelled her to found FOCUS in 2014.

With a progressive and intuitive approach, Ms. Engelking has helped shape local and international cannabis policy, including coordinating and developing cannabis standards and educational content for

the U.S. Food & Drug Administration (FDA), the U.S. Department of Agriculture (USDA), and the National Environmental Health Association.

### **Michael Kahn, *Panelist***

Michael Kahn is president and founder of MCR Labs, the first independent cannabis-testing laboratory to become certified in the state of Massachusetts. MCR Labs uses ISO 17025 accredited methods and employs researchers, chemists, and pharmaceutical scientists. Primarily a testing lab, the company offers analytical and R&D services to medical marijuana and adult-use cannabis providers, patients, physicians, and caregivers.

A member of the Board of Directors of the Northeast Cannabis Coalition, Mr. Kahn is also active in the cannabis community's efforts to communicate ideas to legislators and community stakeholders, particularly in the northeastern region of the U.S.

### **Heather Krug, *Keynote Speaker***

Heather Krug is the state marijuana laboratory sciences program manager for the Colorado Laboratory Services Division in the Department of Public Health and Environment in Denver. In November 2012, Colorado voters approved legalized recreational marijuana, and in January 2014, Colorado became one of the first states to allow legal sales of non-medical marijuana for adults over the age of 21.

Ms. Krug is a frequent presenter and a subject matter expert on cannabis testing, the challenges inherent in developing appropriate requirement specifications, and the lack of toxicity threshold data. Her responsibilities include working with Colorado's state regulatory agencies, industry members, scientists, and technical experts to ensure competent cannabis testing to protect public health and safety.

### **Alex Malyshev, *Panelist***

Alex Malyshev is co-chair of Carter Ledyard's Cannabis, Hemp, & CBD Industry Group, advising businesses, investors, and other stakeholders in the quickly evolving legal cannabis, hemp, and CBD industries on how to deal with the unique challenges the industry poses in a practical manner.

Mr. Malyshev also maintains an active litigation and counseling practice, primarily focused on the financial services industry. He has more than a decade of experience representing financial institutions, corporate trustees, and individuals on a variety of contract, fraud, and business tort cases related to investments in various complex instruments, like Collateralized Debt Obligations (CDOs) and Trust Preferred Securities (TruPS). He also regularly counsels industry employers and employees in connection with restrictive covenants and unfair competition claims.

### **Charles P. Rutherford II, *Panelist***

Charles P. Rutherford II, of CPR Squared, Inc., is a technical consultant to ASTM International, a global standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services. His consulting role at ASTM supports standards

development and related activities for the organization's Committee D37 on Cannabis, including increasing the engagement of cannabis-related organizations and expanding networks to help prioritize and strategize a focused approach to standards development.

Formed in 2017, ASTM's Committee D37 on Cannabis is working to develop standards for cannabis, its products, and its processes including the development of test methods, practices, and guides for cultivation, quality assurance, laboratory considerations, packaging, and security. He is on the board of the American Trade Association for Cannabis and Hemp (ATACH).

### **Kyle Sampson, *Moderator***

Mr. Sampson is a partner at King & Spalding LLP in Washington, DC. His practice focuses on FDA regulatory and enforcement issues. He represents food, drug, medical device, cosmetic, and dietary supplement companies on a full range of regulatory and enforcement issues confronting FDA-regulated firms. Mr. Sampson's expertise extends to strategic advice and compliance counseling, enforcement, litigation, and transactional matters.

### **Matthew Sica, *Panelist***

Matthew Sica, accreditation manager for the ANSI National Accreditation Board (ANAB), is a conformity assessment professional responsible for cannabis and pharmaceutical testing laboratories, reference material producers, proficiency test providers, and medical laboratories.

With more than 30 years of experience working in laboratory environments, Mr. Sica's expertise spans chemistry, microbiology, management systems, laboratory accreditation, field sampling, and reference material testing. He has served in both technical and managerial roles for chemical and microbiological disciplines and has led training in technical standards and management systems throughout the world. Mr. Sica navigates a wide array of statutes and regulations that affect various types of laboratories, bringing practical application and experience in areas of compliance.

### **Jeffrey G. Weiss, *Moderator***

Jeffrey Weiss, partner at Venable, LLP, advises and advocates for clients on a broad spectrum of matters related to international trade, including technical regulations, standards, and conformity assessment procedures; digital economy; market access; customs; and maritime and logistics. Jeff provides counsel on issues arising under the World Trade Organization (WTO), North American Free Trade Agreement (NAFTA), and other trade agreements, as well as U.S. trade and customs law. He develops regulatory, standards, and conformity assessment strategies, and provides counsel and representation on international trade negotiations, standards development, and other economic policy matters.

Mr. Weiss also represents clients before various White House offices and executive agencies and departments. From 2014 to 2015, at the direction of the White House, he led the development of the U.S. government strategy for international cybersecurity standardization.

## **Will Woodlee, *Panelist***

Will Woodlee is a partner who joined Kleinfeld, Kaplan & Becker in 2010. His practice focuses primarily on counseling and advocating on behalf of food, dietary supplement, cosmetic, pharmaceutical, medical device, tobacco, cannabis/hemp, and consumer product companies on regulatory and advertising law matters.

He has served on the Editorial Advisory Board of the *Food and Drug Law Journal*, the Food and Drug Law Institute's (FDLI's) Food, Dietary Supplements, and Cosmetics Committee, and the Editorial Advisory Board of FDLI's *Update* magazine. He frequently writes and speaks about the FDA Food Safety Modernization Act, and he served as editor for FDLI's *The Food Safety Modernization Act: A Comprehensive, Practical Guide to the Landmark Legislation*.

Mr. Woodlee has extensive experience with the regulation of tobacco products, electronic cigarettes, and other nicotine-containing products at the federal, state, and local levels. He also has expertise on the complex and evolving regulation of products derived from cannabis, including hemp and cannabidiol (CBD) products. For 2015-2018, *Super Lawyers* named Mr. Woodlee a "Rising Star" of the Washington, DC, metro area.

## **Rhiannon Woo, *Panelist***

Rhiannon Woo is the co-founder and chief scientific officer for TraceTrust in San Francisco. She is an expert in good agricultural practices, good harvesting practices, good manufacturing practices, the principles and guidelines of Hazard Analysis and Critical Control Point (HACCP), and the Food and Drug Administration's Food Safety Modernization Act.

TraceTrust is the first global, third-party certification program for Cannabis consumables. Ms. Woo is a sought-after leader in food safety development and protocols, an instructional designer for food safety and quality programs and instructor on the environmental effects of food borne pathogens, an ISO 9001 Lead Auditor Certifier as well as an HACCP trainer for Scientific Certification Systems' Global Services, Inc.

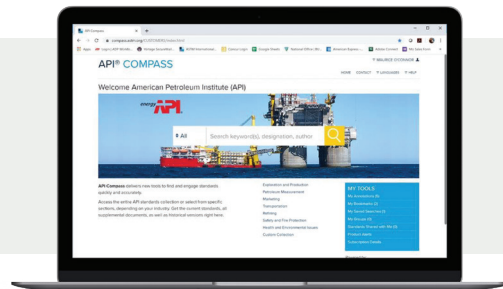


## API COMPASS

# A PRODUCTIVITY TOOL TO FURTHER SAFETY, REDUCE RISK AND LIABILITY

API is the global leader in convening subject matter experts across segments to establish and maintain consensus standards for the oil and gas industry. These standards further safety, efficiency, environmental protection, and sustainability.

API's digital platform, **Compass**, is a subscription service that is the easiest way to get access to any and all of API's standards and specifications. Compass provides the latest updates, references, and comparison tools to ensure safety, compliance, and interoperability.



### DYNAMIC REDLINES

Users can compare the most recent standard against the previous version and the flexibility to compare the current standard against any historical iteration available through API Compass.

### MULTIPLE LANGUAGES

Compass offers the ability to search in 13 languages, including: Russian, Spanish, Mandarin, and Portuguese.

### HISTORICAL STANDARDS

For no additional charge, historical content is available for API and ASTM.

### UNLIMITED CONCURRENT USER LICENSES

All users from an office (or multiple offices) can view documents simultaneously, and there is no limitation as to the number of concurrent user licenses.

### ANNOTATIONS

Compass provides the ability to create and share annotations (i.e. notes, spreadsheets, PDFs, images, etc.) within the HTML version of the standards.

### UP-TO-DATE STANDARDS

Compass is updated with the latest standard versions and sends users notifications to help maintain compliance.

**Compass provides critical safety and compliance information directly to personnel by assisting in the decision-making process – reducing risk and liability to an organization.**

- Ensures high-quality knowledge transfer among engineers and across an organization
- Closes information gaps between entry level engineers and professionals with decades of experience

[www.api.org/GetCompass](http://www.api.org/GetCompass)

[compass@api.org](mailto:compass@api.org)







Connecting devices and the people  
who love them. Our standards do that.

To learn more or become part of the process visit [standards.CTA.tech/kwspub/join](https://standards.CTA.tech/kwspub/join)  
To download CTA standards visit [CTA.tech/Research-Standards/Standards-Listing.aspx](https://CTA.tech/Research-Standards/Standards-Listing.aspx)

**Consumer Technology  
Association**™



# DO YOU BELIEVE WATER IS OUR MOST PRECIOUS NATURAL RESOURCE?

## SO DO WE!

IAPMO Codes – Comprehensive and Sustainable



LIVE BY THE CODE  
LIVE IT – LEARN IT – BUILD IT



**ORDER NOW**

[WWW.IAPMO.ORG](http://WWW.IAPMO.ORG)



# Working Together for a Safer World

The ICC Family of Solutions is dedicated to the construction of safe, sustainable, affordable and resilient structures. The International Code Council works with the whole building industry to provide a safe built environment for our communities.



## ICC's Family Of Solutions



The Code Council publishes the International Codes, a complete set of comprehensive, coordinated building safety codes used in the most U.S. communities and around the world.







# Stronger together.

Microsoft is proud to support ANSI and its important role in connection with national and international standardization activities that benefit industry, government, and consumers.



**Microsoft**





# HELP TRANSFORM ELECTRICAL SAFETY. PRESENTING SOLUTIONS THAT HELP TRANSFORM YOUR KNOWLEDGE.

Evolving technology and policy are constantly changing the electrical industry. Keep your knowledge and skills up to date through our NFPA Electrical Solutions. Stay on top of the NEC®, covering subjects such as power over Ethernet and emergency service disconnects. Be immersed in topics such as electrical safety in the workplace through new training, certification, and online learning. Tap into the networking power of NFPA Xchange™, sharing knowledge with fellow professionals. **In an industry that's transforming, NFPA Electrical Solutions help you transform with it.**

Learn more at [nfpa.org/electricalsolutions](https://nfpa.org/electricalsolutions)



**ELECTRICAL  
SOLUTIONS**

PRODUCTS / TRAINING / CERTIFICATION / DIGITAL RESOURCES





# Standards development at **NSF INTERNATIONAL**



- ✓ Accredited by the **American National Standards Institute (ANSI)**
- ✓ Over **80 active** voluntary American National Standards
- ✓ Standards **support public health and safety** through areas like food, water, supplements, home products and sustainability, among others



NSF/ANSI standards are developed through a public process that ensures balanced input from industry representatives, public health/regulatory officials and users/consumer representatives.

We are also looking for additional members.  
Contact [standards@nsf.org](mailto:standards@nsf.org) to participate!

[www.nsf.org](http://www.nsf.org)



## CELEBRATING 75 YEARS

of Protecting and Improving Human Health.

CELEBRATING  
**125**  
YEARS

With 125 years of experience and the development of more than 1,500 Standards, UL continues to break new ground in its mission to help create a safer, more sustainable world. Learn more at [UL.org](https://ul.org).

UL is a proud sponsor of ANSI World Standards Week 2019!

Times change,  
trust remains.<sup>TM</sup>



# Advancing Safety in Health Technology

## *On a Global Scale*



**4,000+** Active Standards Program Participants

**650+** Standards & Technical Information Reports

**230+** Technical Committees & Working Groups

**12** (IEC or ISO) Secretariats

For more information, please visit  
[www.aami.org/standards](http://www.aami.org/standards)

  
[www.aami.org](http://www.aami.org)

**AAMI**  
Advancing Safety in Health Technology

## *Where IT all begins*

**[www.INCITS.org](http://www.INCITS.org)**



Artificial intelligence  
Biometrics  
Blockchain & EDLT  
Cloud Computing and  
Distributed Platforms  
Cyber Security  
Character Sets and Internationalization  
Data Management and Interchange  
Digital Manufacturing (3D Printing)  
Governance of Organizations

ID Cards & Security Devices for  
Personal Identification  
IT Sustainability  
Internet of Things  
Geographic Information Systems  
MPEG, JPEG  
Programming Languages  
Software and Systems Engineering  
Storage - ATA, Fibre Channel, SCSI

# Ensuring quality in electrical construction



More than two decades ago, the National Electrical Contractors Association (NECA) identified a need to clearly define good workmanship in electrical construction. At that time, NECA envisioned the industry benefits of addressing performance and quality issues that were subjective as provided in the National Electrical Code® (NEC). Through careful analysis and meaningful industry input, the flagship document NECA-1, Standard for Good Workmanship in Electrical Construction, was born. This marked the starting point for a long-range plan to develop an entire library of National Electrical Installation Standards (NEIS).

The NEIS project has since grown to over 45 standards, and has become an effective resource for many electrical contractors, electrical designers and engineers, architects, inspectors, and electricians. Specification writers gain value by referencing these installation standards from their own plans and specifications.

The primary purpose of the NEIS is to supplement and overlay the essential safety requirements in NEC and other related standards while providing users with high-quality installation standards that benefit their businesses and, most importantly, their customers. NECA is an American National Standards Institute (ANSI)-accredited standards development association, bringing integrity and credibility into quality electrical standards development.



Find out more at [www.neca-neis.org](http://www.neca-neis.org). On Twitter, follow @NECACodeandStd.









[illegible]