



USBTA

UNITED STATES BOMB TECHNICIAN ASSOCIATION

ANNUAL REPORT

2025



LOOKING BACK ON 2025

TO OUR EOD AND BOMB TECHNICIAN COMMUNITY,

As we reflect on 2025, we are incredibly proud of the continued growth and impact of the United States Bomb Technician Association. None of this would be possible without the support of our members, industry partners, government collaborators, volunteers, donors, and the entire EOD and public safety bomb technician community. Thank you for standing with us and supporting this mission.

This year marked another period of significant progress for the Association. USBTA continued expanding training, research, technology collaboration, and outreach efforts in support of those who serve in one of the world's most dangerous and demanding professions.

Continued growth of our Bomb Disposal Technology and Training Center in Indian Head, MD, as a hub for hands-on training, technology evaluation, and industry/government partnership

Expanded international engagement and academic collaboration, strengthening ties across the global EOD, public safety, and national security communities

Membership growth across military, public safety, international, industry, and academic sectors

Launch of the United States CBRNE and Hazmat Technician Association (USCHTA)

Continued growth of the EOD Technology & Bombing Prevention Summit

Expanded research and development initiatives

Increased scholarship and wellness support

Deeper engagement with public sector and community partners nationwide

Most importantly, the USBTA remains committed to supporting the people behind the mission. Every training event, research initiative, partnership, and outreach effort is centered on strengthening the safety, readiness, and long-term well-being of the bomb technician community.

We are honored to serve this community and remain committed to carrying this mission forward together.

Respectfully,



Sean Dennis

Sean Dennis

President, CEO, and Co-Founder,

United States Bomb Technician Association



COMPANY OVERVIEW

USBTA is dedicated to advancing the safety, capability, and readiness of military and public safety bomb technicians through training, technology collaboration, research, and community support.



TRAINING

Advanced programs built on emerging technology and real-world operational expertise, designed to meet the evolving challenges facing bomb technicians and EOD professionals



TECHNOLOGY COLLABORATION

Close work with industry, government, academia, and end users to evaluate and refine tools, connecting technicians directly with innovators so solutions are grounded in real mission requirements



RESEARCH

Testing at USBTA facilities on explosive characteristics, emerging threats, and response methodologies, supporting advances in training, readiness, and technician safety



COMMUNITY SUPPORT

As a charitable organization, scholarships, wellness initiatives, outreach, advocacy, and family support services that sustain the bomb technician community nationwide and abroad

VISION

Connect every bomb technician with tomorrow's capabilities.

MISSION

To strengthen the bonds of the bomb disposal community by establishing a network of trust, awareness, and collaboration.

BOARD MEMBERS

Brian Knudsen
Sean Dennis
Steve Harris
Jim Trusty
Tom Vail

EXECUTIVE LEADERSHIP TEAM

Sean Dennis
Scott Fulkerson
Dr. Joseph Brady
Eric Gahagan
Vandiver Hood
Nicole Motsek

STAFF TEAM

Deletria Battle
Alicia Colley
Carol Finkle
Casey Graham
Anne Guajardo
Garrett Gumbiner
Shajahan Jagtiani
Amber Lowe
Joe McClure
Col (Ret) Gerardo Meneses
Christopher Murphy, Ph.D.
Peter Nagel
Tim Ormerod
Paul Perricone
Jarrett Seal
Jon Vaala

ADVISORS

Eugene "Gene" Squires
Dr. John "JD" Olive
Eric C. Correll
Dave Grotkin

MEMBERSHIP



NEW EXPANDED MEMBERSHIP CATEGORIES

Active and former military and public safety bomb technicians

Subject matter experts in rendering safe explosive devices

Academia and technical professionals (physicists, chemists, engineers, researchers)

International allies working as military and public safety bomb technicians

6,000+

USBTA has grown to more than 6000 members, out of a core target audience of roughly 8,000 active military and public safety bomb technicians nationwide.



★ ★ ★ ★ ★
JOIN TODAY!
★ ★ ★ ★ ★

usbta.us/join



USCHTA

The United States CBRNE and Hazmat Technician Association (USCHTA)

In December 2025, USBTA also launched the USCHTA to support CBRNE and hazmat professionals – a new organization that's steadily growing alongside USBTA's own programs and partnerships.

2025 BY THE NUMBERS

4

new hires

22.8K

training hours

2861

people trained

9.2K

hours other events

1149

attendance
for other events



475

room nights

7457

meals provided

TRAINING

The United States Bomb Technician Association advances the bomb technician community through training, professional development, and collaborative events – fostering knowledge sharing, strengthening partnerships, and speeding adoption of new technologies and best practices.

These engagements gave the community a chance to share operational experience, evaluate new capabilities, and build the relationships needed to address evolving explosive threats – strengthening readiness, safety, and effectiveness while connecting today's professionals with tomorrow's capabilities.



IN 2025, USBTA SUPPORTED AND HOSTED TRAINING EVENTS, TECHNICAL EXCHANGES, DEMONSTRATIONS, EXERCISES, AND EDUCATIONAL FORUMS FOR:



Military
EOD
Operators



Public
Safety Bomb
Technicians



Government
Agencies



Industry
Partners



Researchers
& Academia

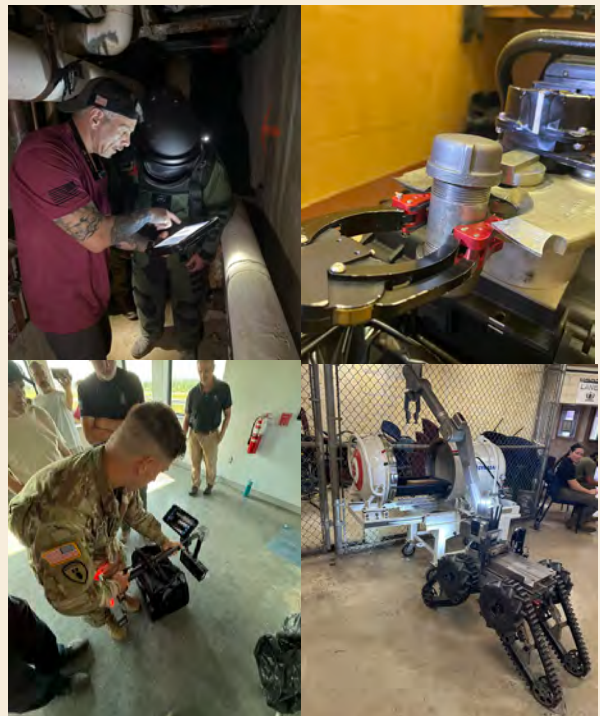
OPERATION EMERALD COAST 2

Hurlburt Field, Florida
April 29 – May 2, 2025
52 participants
26 Industry Partners



OPERATION LOCKDOWN

Smyrna, Delaware
September 23-25, 2025
47 participants
22 Industry Partners



TTE-CI EVENTS

CISA's Office for Bombing Prevention ran three Technology Training Events for Critical Infrastructure in 2025, bringing together 167 bomb technicians and 80 industry partners to test new technology in real-world scenarios.

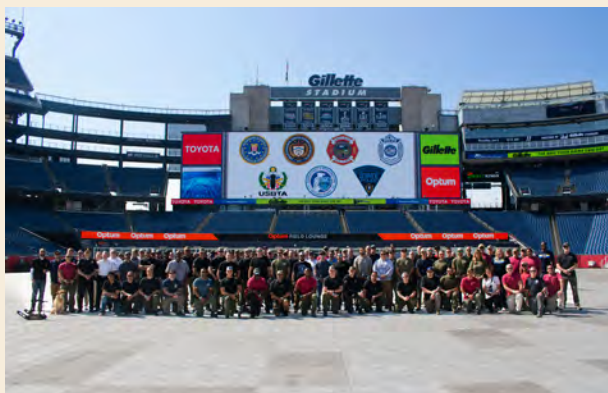
RIVERSIDE, CA FEB 25–27

68 technicians from **33** military EOD units and public safety bomb squads

27 industry partners, **30** technologies

Scenario-based evaluation lanes covering public buildings and transportation

Sessions on aviation threats, bombing trends, and Least Risk Bomb Location (LRBL) procedures



FOXBOROUGH, MA JUNE 3–5

53 technicians from **24** units, at Gillette Stadium

27 partners, **31** technologies

Sessions on aviation threats, bombing trends, LRBL procedures, and responding to bomb threats/swatting hoaxes

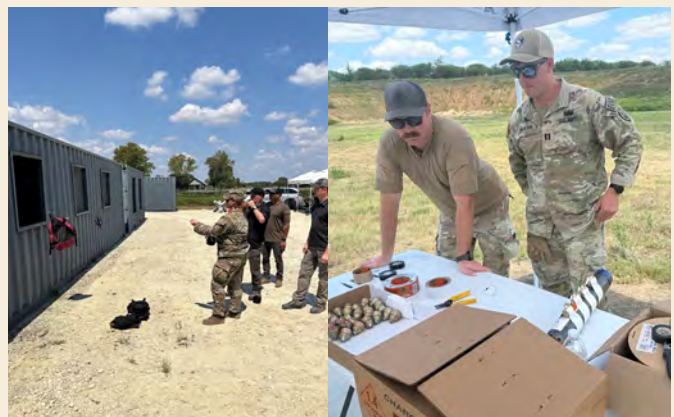
BRYAN, TX AUG 26–28

46 technicians from **23** units, at TEEX's Bush Combat Development Center

21 partners, **23** technologies

Evaluation lanes focused on large sporting venues and public transportation

TSA-led LRBL session



9TH NATIONAL ROBOT RODEO

The National Robot Rodeo (NRR) is a premier hands-on event that brings together military EOD units, public safety bomb squads, international partners, and industry to evaluate new and emerging technologies, capabilities, and operational tools in realistic scenarios. The event fosters collaboration, professional development, and the exchange of tactics, techniques, and procedures that strengthen bomb technician capabilities across the public safety and military communities.

QUICK FACTS

Location: The Arapahoe County Fairgrounds, Colorado hosted by the Arapahoe County Sheriff's Office Bomb Squad.

5 partners: CISA/OBP, AFCEC, UK DSTL, Sandia National Lab, EOD Technology Center

10 Teams: 3 military, 4 public safety, 3 international

29 Industries

Sponsored by: the Air Force Civil Engineer Center (AFCEC), DHS CISA's Office for Bombing Prevention, the EOD Technology Center at Naval Surface Warfare Center Indian Head Division, and the UK Defence Science and Technology Laboratory (UK-Dstl)

SCENARIOS

Maritime Environment Problem

Subway Car Borne IEDs

Complex Building Search, ID, and Clear

RAD and CBRNE Threats

sUAS and Payload Application

Large Area Clearance

Emergent Technology

WINNERS



- 1** New Mexico State Police
- 2** Republic of Korea (ROK)
- 3** Spokane PD & Sheriff

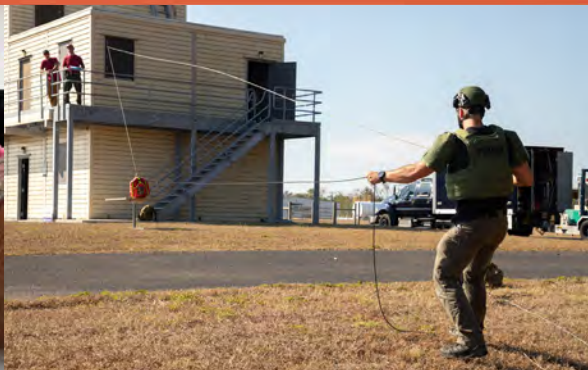


“It’s definitely exciting. We overcame challenges as a team. Overall, it was a great experience, and we would definitely come again.”

– Victor Flores,
Assistant Bomb Squad Cmdr

CRITICAL SKILLS CHALLENGE

7TH ANNUAL EDITION | 10 LANES | 29 PARTICIPANTS/COMPETITORS



NEW SITE

Walter C. Heinrich
Practical Training
Site, Hillsborough
County, FL



EMERGING TECHNOLOGIES



COLLABORATION



COLLABORATION BREEDS INNOVATION



2ND ANNUAL

EOD TECHNOLOGY & BOMBING PREVENTION SUMMIT

December 2-4, 2025

USBTA and EODTECHCEN (Naval Surface Warfare Center Indian Head Division) partnered to deliver one of the premier events for the global EOD and bombing prevention community.

- Brought together 700+ military, public safety, federal, industry, and international partners
- Featured hands-on technology demos, professional development sessions, and operational briefings
- Focused on advancing readiness, interoperability, and innovation across the EOD enterprise

By connecting operators, developers, and decision-makers in one setting, the Summit reinforced both organizations' commitment to strengthening the capabilities of those protecting communities, infrastructure, and national security.

Session & Breakout Topics:

EOD: Current & Future State
Resilience through Service, Sacrifice, & Strength from a Warrior Perspective: Warrior Panel
C-IED CO Today
NATO Challenges & Opportunities
The Technological Imperative of a Growth Mindset
Status of the Public Safety Bomb Technician Program
Ukraine EOD Challenges & Tactics
Southern Border Operations
Advanced Threats
Site Security (Major Events)
Human Machine Teaming/AI
EOD & Hazmat
Technology
Health & Wellness
Current & Emerging Threats
Underwater
Unmanned Aerial Systems (UAS)



NEW EXHIBIT HALL DEMONSTRATION AREA



The 2025 EOD Technology and Bombing Prevention Summit featured a hands-on demonstration area where attendees engaged directly with industry partners, watched live demos, and evaluated tools built to improve mission effectiveness, responder safety, and readiness.

The space covered 4 focus areas:

- X-Ray Technologies
- Unmanned Systems
- Detection Capabilities
- Personal Protective Equipment (PPE)

THANKS TO

the generous support of our sponsors!



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EOD WEEK ON THE HILL

May 20-23, 2025

3 DAYS DRIVING THE FUTURE OF EOD

More than 150 advocates united on Capitol Hill to champion military and public safety bomb technicians, amplifying awareness, strengthening support, and advancing critical advocacy for those who protect our communities and nation.



EOD CAUCUS RECOGNITION

Members of the EOD Caucus recognized USBTA's Top Tech champions, each service branch's EOD Team of the Year, and distinguished annual award recipients from across the Department of Defense, honoring the extraordinary skill, sacrifice, and operational excellence that define the EOD community.

USBTA TECHNOLOGY EXPO

Bringing together more than 25 industry exhibitors and over 200 attendees, the USBTA Technology Expo spotlighted the latest cutting-edge technologies and mission-critical innovations driving the future of EOD operations and advancing capabilities for those on the front lines.

USBTA STATE OF THE ASSOCIATION

Over 100 government, military, and industry professionals participated in the USBTA State of the Association event, engaging in meaningful collaboration, demonstrations, and strategic conversations shaping the future of the EOD community.

GOVERNMENT PARTNERSHIPS

2025 KEY MILESTONES



AUKUS Forum MOU – tech-sharing agreement with the U.S., Australia, and UK; hosted a roundtable at University of Maryland on advanced materials and manufacturing

Maryland Global Gateway approval – USBTA now a Soft Landing site helping foreign companies enter the U.S. market



USBTA received infrastructure funding from two sources: the Maryland Legislative Bond Initiative (LBI) and the Department of Housing and Community Development (DHCD).

Combined, these two grants total \$400,000 in infrastructure funding awarded to USBTA to support facility improvements.



Maryland Technology Center ribbon cutting (May 22) – marked completion of a 30,000 sq ft renovation, with 200+ stakeholders attending



10-year P3 with NSW Indian Head – joint test, evaluation, and assessment of EOD/energetics technologies for DoD and law enforcement, plus STEM pipeline support



GOVERNMENT PARTNERSHIPS



FEDERAL PARTNERS

Bureau of Alcohol, Tobacco and Firearms (ATF)
Department of Homeland Security Science & Technology Directorate (DHS S&T)
Explosive Ordnance Disposal (EOD) Congressional Caucus
Federal Bureau of Investigation (FBI)
CISA Office for Bombing Prevention (OBP)
United States Secret Service (USSS)
United States Capitol Police (USCP)
Army G-38
Air Force Civil Engineering Center (AFCEC)
Office of Naval Research (ONR)
Navy's Expeditionary Missions Program Office (PMS-408)



STATE & LOCAL PARTNERS

Charles County Board of Commissioners
Charles County Economic Development Department
Charles County Military Alliance Council (MAC)
Charles County State Legislative Delegation
Charles County Chamber of Commerce
Energetics Technology Center (ETC)
Maryland Department of Housing and Community Development (DHCD)
Maryland Department of Commerce
Town of Indian Head, MD
Southern Maryland State Legislative Delegation
Maryland General Assembly
The Office of Governor Wes Moore
Rural Maryland Council (RMC)
Tri-County Council of Southern Maryland (TCCSM)
G.S. Proctor and Associates
Van Scoyoc Associates
WesBanco
University of Maryland
Johns Hopkins University
College of Southern Maryland (CSM)
Naval Surface Warfare Center (NSWC) Indian Head
Naval Surface Warfare Center (NSWC) EOD Technology Center
Maryland Department of Commerce

INTERNATIONAL

AUKUS Forum (Australia)
NATO Partners

RESEARCH

2025 HIGHLIGHTS

USBTA's R&D Division advanced several high-impact initiatives to strengthen national explosive safety and response capabilities.

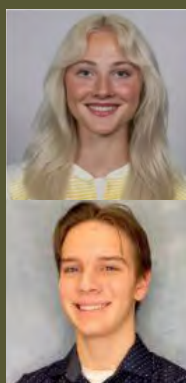


LITHIUM-ION BATTERY MITIGATION

The U.S. Army G3/8 initiated a top-priority lithium-ion battery mitigation project, led by the team in collaboration with the ATF, FBI, Secret Service, DHS Science and Technology, and NSWC Indian Head, completing 102 instrumented experiments to evaluate the effects of existing EOD tools on common lithium-ion batteries.

HOMEMADE EXPLOSIVES (HME) CHARACTERIZATION

under a DOJ Byrne Grant, characterized HME identified through a nationwide bomb technician survey; findings were built into Technology and Training Exercises and shared in real time with EOD units, bomb squads, and first responder agencies



WORKFORCE DEVELOPMENT

supported two R&D interns; Callan Abel and Benjamin Messer



DETECTION LIBRARY SUPPORT

expanded collaboration with industry partners, providing validated reference materials, product samples, and data to update instrument detection libraries across multiple platforms



COMMUNITY



Beyond training and technology, USBTA is invested in the people and communities around it – supporting students, families, and future professionals through education, scholarships, and outreach.



100 local families in need received a turkey at our Thanksgiving Turkey Drive.



Selected as a Maryland Global Gateway Soft Landing Partner for international companies



Hosted the annual Back-to-School Bash, distributing school supplies to 150+ local students



Employed two college chemistry interns on the Byrne Grant HME research, via partnerships with local academia and the Pax Partnership program



Two scholarships awarded to the Missouri S&T Explosives Camp, including a student from Indian Head



Participated in high school career fairs in Charles County and Patuxent, showcasing STEM and bomb technician career paths



Hosted a two-week STEM camp at the USBTA facility for nearly 40 local middle schoolers



Hosted complimentary hot chocolate station serving more than 200 attendees with Bridge Church during its community Christmas event.



Sponsored lunch for Bridge Church's Easter event on the Village Green, serving 300+ children and families



USCHTA

U.S. CBRNE & Hazmat Technician Association

ONE PURPOSE. ONE MISSION.

Launched in 2025, USCHTA unites military CBRNE technicians and public safety hazmat professionals under one national framework. Headquartered alongside USBTA at the Bomb Disposal Technology and Training Center, it supports:

- ✓ Responder safety and operational readiness
- ✓ Training and technology collaboration
- ✓ Research and development
- ✓ Interoperability and wellness across the community



A key focus is building integrated all-hazards response capabilities through Joint Hazardous Assessment Teams (JHAT) and Joint Hazardous Response Teams (JHRT) – emphasizing cross-training between bomb technicians, military CBRNE personnel, and public safety hazmat professionals to strengthen coordinated response to complex explosive, chemical, biological, radiological, nuclear, and hazmat incidents.



THANK ★ YOU! ★



On behalf of USBTA, thank you for standing with and supporting this community.

This report reflects more than milestones – it represents the commitment, sacrifice, innovation, and partnership that define the bomb technician profession. Every training exercise, technology demonstration, and collaborative initiative in these pages serves one purpose: strengthening the safety, capability, and future of those who protect our communities and one another.

The progress made in 2025 belongs to the military and public safety bomb technicians, industry partners, instructors, agencies, supporters, and families who invest in this mission every day. Together, we train. Together, we innovate. Together, we protect. Together, we honor the legacy and future of this community.



UNITED STATES BOMB TECHNICIAN ASSOCIATION

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