



TOP BOMB TECHNICIAN CRITICAL SKILLS CHALLENGE

AND

TECHNOLOGY TRAINING EXPO

The Combating Terrorism Technical Support Office (CTTSO), the U.S. Bomb Technician Association (USBTA), and the Orange County (Florida) Sheriff's Office Bomb Squad are proud to announce the first annual **"Top Bomb Technician Critical Skills Challenge."** This competition will allow military and civilian bomb technicians to test individual critical skills against other competitors, using a variety of tools and equipment provided by our industry partners. The competition tests the required individual knowledge, skills, and abilities of all bomb technicians. The competition is conducted over 4 days (December 4–7, 2018) in Orlando, Florida, and is open to bomb technicians worldwide.

Bomb Technicians will begin the competition by completing a **knowledge assessment**, focused on explosives, electronics, explosives chemistry, applied physics, blast effects, and general bomb technician knowledge. This will be followed by individually scored events, where bomb technicians test their own capabilities. Scoring will be based upon the following critical skills:

1. **X-Ray Interpretation (Identify a threat from provided x-ray images to include Power source, Initiator, Explosives and Switch)**
2. **Precision Disruption (Identify a threat from an x-ray and conduct a precision RSP without grid aim system)**
3. **Hand/Manual Entry (Tools will be provided to neutralize a device with anti-tamper switches)**
4. **Hook & Line (Moving a suspect bag with provided tools to a designated location 100 feet away)**
5. **Explosives Threat Identification/HME (Recognizing the components of improvised explosives and Identifying the explosive threat).**
6. **Booby Traps (Competitors will be required to work their way through a building, identify, mark, and where applicable, neutralize boobytraps)**
7. **Circuit building (Build complete electronic circuits of different complexities such as series, parallel, series parallel and collapsing circuits with safe, arming and firing type switches)**
8. **Cap Diagnostics (Identify initiators in multiple devices that may need to be jumped/shunted before being cut out of the firing circuit and which can immediately be cut out of the circuit. Successfully cutting out all caps constitutes rendering safe the device)**
9. **Bomb Suit Challenge (Conduct search for suspect devices within a designated area)**
10. **Complex Scenario (The Participant will select Tactics, Techniques and Procedures to resolve an incident. Following the resolution, the Bomb Technician will be interviewed by panel members who will ask questions such as tool selection, procedural choices and overall logic during the incident.**

At the end of the second day (Thursday), scores will be added up and the top 6 to 12 Technicians will move on to the final day (Friday) and compete in the complex scenario exercise.

Since these are individual tasks, operators should bring their own personal protective equipment, such as eyewear, gloves, earplugs, etc. All other tools, accessories, and equipment will be provided.

TECHNOLOGY TRAINING EXPO

The Technology Training Expo, gives everyone in attendance an opportunity to experience and train with current and emerging technologies provided by the Industry. This includes a separate area where a Robot Rodeo will be conducted.

There are two ways to register. One for competitors and a separate one for Observers/Technology Expo.

Competitors will be provided a set schedule for competition events and designated times to take part in the Robot and Technology Training Lanes. Observers and Participant Bomb Technicians will be assigned teams of 3 to 5 Tech's who will rotate through the Technology Training Lanes and robot exercises. There will be opportunity to observe the competition if desired. During all three days of the event, our Industry Partners will be supporting and demonstrating their tools and equipment. This will be a great opportunity to get individualized hands on instruction and training with these tools to increase your own skills and capabilities.

CONTACT INFORMATION:

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Dean Meinert – Vice President, USBTA, 540-272-9566, or dmeinert@usbta.us

LT. Chris Hall - Orange County Sheriff Office FL Bomb Squad Commander/USBTA Eastern Operations Director, 407-276-1780, or chall@usbta.us / Christopher.Hall@ocfl.net

Dr. Edwin A. Bundy - Combating Terrorism Technical Support Office, 571-372-7276, or edwin.bundy@cttso.gov

Location: Orlando FL – Hosted by the Orange County (Florida) Sheriff Office Bomb Squad Training Range – 14500 Wewahootee Road, Orlando FL 32832

Cost: \$0 (Free)

Registration: <https://www.usbta.us/events> or <https://www.usbta.us/event-2965696>

Hotel Info: Government Rate \$129.00 – **Reservation Code “USBTA”** Deadline is Nov 2, 2018
Hilton Garden Inn Orlando International Airport **407-240-3725**
7300 Augusta National Drive, Orlando FL 32822.
https://hiltongardeninn.hilton.com/en/gi/groups/personalized/O/ORLAHGI-USBTA-20181129/index.jhtml?WT.mc_id=POG

SpringHill Suites Orlando International Airport **407-816-5533**
7024 Augusta National Drive, Orlando FL 32822

[Book your group rate for Orange County Sheriff's Office](#)

Residence Inn Orlando International Airport **407-856-2444**
5828 Hazeltine National Drive, Orlando FL 32822

[Book your group rate for Orange County Sheriff's Office](#)

SPECIAL INSTRUCTIONS:

Bomb Technicians should arrange travel to arrive on Monday, December 3rd, and leave after 3pm, Friday, December 7th. Lunch will be provided each day (Dec 4 – 7).

Registration is located at the training facility: Monday, 3pm to 7pm & Tuesday Morning, 0800 – 0900. Safety briefs and lane assignments begin at 0900, Dec 4th. (Travel time to range is 25 to 30 minutes from Hotel)

ITINERARY:

- Monday, Dec 3rd – Travel Day for Participants – Early Registration 3 – 7pm
- Tuesday, Dec 4th – Registration/Safety Brief 0800 – 0900 (Industry Demo Day & Tools Familiarization)
- Wednesday, Dec 5th – 0800 – 1700 Critical Skills Challenge
- Thursday, Dec 6th – 0800 – 1700 Critical Skills Challenge
- Friday, Dec 7th - 0800 – 1130 Critical Skills Challenge (1200 Lunch and Awards)