



Eastern National Robot Rodeo (ENRR)

August 12-16, 2019; Charleston SC



U.S. AIR FORCE

Description

Expert operators from both military and civilian bomb squads use advanced skills to maneuver hazardous duty robots in challenging, real-world scenarios. In partnership, the Air Force Civil Engineer Center (AFCEC), Combating Terrorism Technical Support Office - Technical Support Working Group (CTTSO-TSWG), and the United Kingdom Defence Science and Technology Laboratory (UK-DSTL) is sponsoring the 4th annual Eastern National Robot Rodeo (ENRR). This event is co-hosted by the South Carolina Law Enforcement Division (SLED), and the Charleston County Sheriff's Office.

The ENRR exposes active members of military and public safety bomb squads to new products and technology, while providing real-time feedback (i.e., as part of an Operational Evaluation) to event facilitators and sponsors. AFCEC representative Dr. John Olive, Air Force Explosive Ordnance Disposal (EOD) Subject Matter Expert said *"The ENRR allows us to identify potential operational requirement gaps through challenging, real world scenarios, and provides exposure to available robotic technologies."* This multi-agency event provides an opportunity for participants to network with other bomb technicians and exchange information on tactics, techniques, and procedures.

Scenarios

Tasks are designed to include the following major areas that contribute to real-world concerns:

- IED and VBIED Disablement
- CONOPS – Joint (DoD – Public Safety) Event
- TTPs – Tactics, Techniques, and Procedures
- Transportation – Planes, Trains, and Automobiles

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Kevin Morley, Counter Terrorism & Security Desk Officer, British Embassy (Washington D.C.) *"Events like Eastern National Robot Rodeo are extremely important for the United Kingdom because it gives us a chance to see a wide range of technologies and capabilities in action. What struck me as well is what a close community the EOD community is; everyone speaks a common language."*

MSgt Linn Dillard, USAF EOD Equipment PM, *"These state-of-the-art robotic platforms are essentially the future of EOD. For EOD techs to actually solve simulated real-world problems with this new technology... you can't put a value on that as it applies to Warfighter safety."*



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Events

The Eastern National Robot Rodeo is a multi-day, multi-event technical competition. Potential scenarios:

- Vehicle-Borne IED
- Water-Borne IED
- Robot Mounted X-Ray Systems
- Obstacle Course
- Multi-Robot Operations
- Clandestine Lab
- Zero Visibility Operations
- Disruptor Operations
- Small Unmanned Aerial Systems (sUAS)
- CBRN Response
- Autonomous Navigation

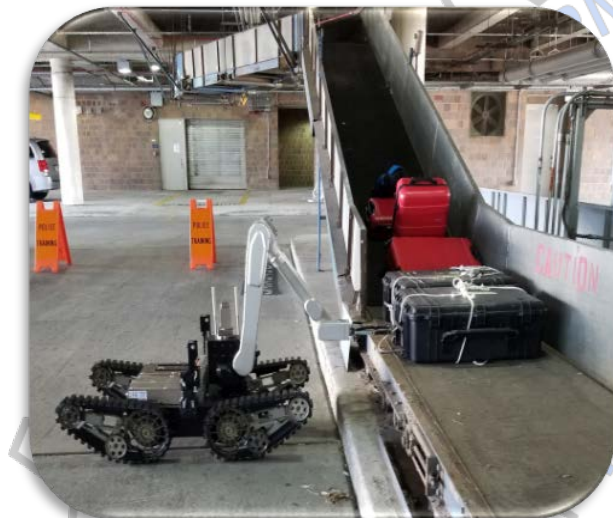
2018 Eastern National Robot Rodeo Winning Teams

- First Place: 94 CES/CED Dobbins ARB, GA
- Second Place: Orange County FL Sheriff's Office
- Third Place: SLED



Benefits

- Exposure to new technologies
- Challenging operational environments
- Vendor engagement – direct feedback from teams and sponsors
- Identification of new technology requirements
- Modeled after real-world events and scenarios
- Allows teams to push capability boundaries
- Provides networking opportunities
- Identification of robotic capability shortfalls



Additional Information

<https://www.usbta.us/events>
<https://www.usbta.co/events>