



Robot Rodeo & Capability Exercise

Western National

Eastern National

June 13-17, 2016

Aug 29-Sept 2, 2016



Description

Expert operators from both military and civilian bomb squads and other public safety organizations 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 Defense Science and Technology Laboratory (UK-DSTL), will sponsor the inaugural Eastern National Robot Rodeo (ENNR) and Capabilities Exercise (CAPEX). This pilot event will be co-hosted by Dobbins ARB and the Transportation Security Administration at Atlanta Hartsfield-Jackson International Airport with support from Sandia National Laboratory's years of experience hosting the Western National Robot Rodeo and CAPEX.

This CAPEX allows active members of bomb squads to operate new products and technology while providing instant, on-site 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 ENNR and CAPEX will allow us to identify potential operational requirement gaps through challenging, real world scenarios, and 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.

Scenario

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

- IED and VBIED Disablement
- CONOPS
- TTPs – Tools, Techniques, and Procedures
- Transportation – Planes, Trains, and Automobiles
- Operator Proficiency

Eastern & Western Robot Rodeos

Mr. Marshall Dutton PM for the Air Force's EOD Modernization Program says, *"The Eastern National Robot Rodeo and Capabilities Exercise event leverages more than nine years of the successes of the TSWG-sponsored Western National Robot Rodeo, co-led by Los Alamos and Sandia Laboratories. The establishment of an AF-led ENRR & CAPEX provides a long desired East coast venue to identify current robotic capability shortfalls to aid in fielding future robotic and robotic tool solutions to support our international and US military EOD, and domestic public service bomb squad partners in the execution of world-wide counter-terrorism and counter-IED operations."*

The 10th annual Western National Robotics Rodeo (WNRR) and CAPEX will be hosted at Los Alamos, 13-17 Jun 16.

Events

The Eastern National Robot Rodeo is a multi-day, multi-event technical competition that can include scenarios like:

- Vehicle-Borne IED
- IEDs in a Culvert
- X-Ray ToolKit® (XTK) Scenarios
- Obstacle Course
- Airplane Search
- Field Diagnosis of a “Sick” Robot
- Mobile Drug Lab
- Smoke-filled Buildings and Night Ops
- Live-Fire Maneuvers
- Operator Proficiency



Benefits

- Provides challenging training environment
- Modeled after real-world events and scenarios
- Forces teams to push the boundaries of their comfort level with their tools and capabilities
- Allows teams to have fun event and fully engage all team members
- Offers exposure to new technologies and tools
- Provides camaraderie and networking opportunities



Contact Information

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www.sandia.gov/robotrodeo