





EXPLOSIVES OPERATIONS DIVISION



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Transportation Security Administration

Explosives Operations Division History

- 1970 – Established at FAA Security (FAA HQ)
- 2002 – Transitioned to TSA under AVOPS (TSA HQ)
- 2004 – Transferred to ICE/FAMS (Reston)
- 2005 – Transferred to TSA/FAMS (Reston)
- 2006 – Transferred to OLE/FAMS Office of Security Services & Assessments (TSA HQ)
- 2009 - Transferred to TSA Office of Security Operations (TSA HQ)

Explosives Operations Division



Mission:

Provide an expert, rapidly deployable, national level resource that conducts all aspects of transportation explosives security for the United States and foreign governments.

The Explosives Operations Division's (EOD) mission is broad based and extends into all aspects of the transportation domain.

EODs mission in simple terms is to allow no bombs in the transportation system.

In respect to TSAs broader mission, EOD provides both DHS and TSA with world class chemical, biological, radiological, nuclear and explosives (CBRNE) related knowledge, skills and abilities.

Explosives Operations Division

Transportation Security Specialist – Explosives (TSS-E)

Overview:



- **Specialists average over 22 years Explosive Ordnance Disposal experience each**
 - **Over 7200 years cumulative EOD expertise**
 - **Tactical Military and Special Operations backgrounds**
 - **All have security clearances**
- **Selected TSS-E are:**
 - **Certified Post-Blast Investigators**
 - **Graduates of the National Transportation Safety Board’s “Aircraft Accident Investigation School”**
- **Multimodal training:**
 - **Aviation**
 - **Maritime**
 - **Mass Transit**
 - **Freight Rail**
 - **Pipeline**

Current Staffing

- **Headquarters**
 - 11 HQ personnel (includes 2 support personnel)
 - 4 Field HQ reports
 - Research and Special Projects
 - Emerging Technologies
 - National Explosives Security Training Manager
 - TSOC/Freedom Center Liaison Officer
- **Transportation Security Specialists – Explosives**
 - Aviation
 - 406 TSS-E at ~140 airports
 - Multimodal/FAMS Support
 - 20 positions
 - VIPR (Multimodal)
 - 25 positions

Total TSS-E: 464

Technical Explosives Support Capabilities



**Intelligence
Threat Analysis**

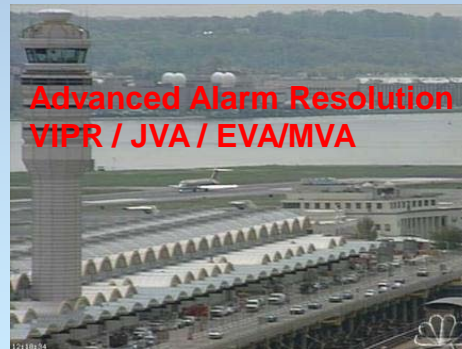


Training/Outreach



Investigations

Technical Explosives Support to ALL Aspects of Homeland Security



Technical Security Support



RDT&E

Technical Security Support

Transportation Security Specialists -Explosives

- Advanced Alarm Resolution
- TSO IED awareness training
- Explosive Vulnerability Assessments (all modes)
 - Risked Based Analysis
 - Security Countermeasures
 - Training
- MANPADS Vulnerability Assessments
- VIPR Support



Intelligence Threat Analysis



- Technical Intelligence Analysis of explosives and CBRN threats
- Quantitative Risk Analyses
- Forensics analysis support to the Terrorist Explosive Device Analytical Center (TEDAC)
- Produce IED exemplars for briefings and training on current threats
- IICT—Technical Threat Countermeasures Subcommittee Member

Post Blast Investigation

TWA 800
July 17, 1996



First VP of Sudan
Helicopter Crash
July 30, 2005

Research, Development, Testing, and Evaluation



Develop TSA countermeasures and mitigation techniques

Evaluate effectiveness of countermeasures

Support on explosives, weapons effects, CBRN, aircraft hardening, and equipment development

TSWG/DHS S&T/RMAP/Project Newton participation

Aircraft explosives tests are also used to improve post-blast investigation skills

Training/Outreach

Explosives and IED Recognition Training

- TSS-Es provide training on explosives and IED recognition to TSA personnel.



Training/Outreach

Multimodal Training for Bomb Squads



Training/Outreach

BSRTS Course Overview

- **Course Modules**
 - Aviation
 - Mass Transit
 - Maritime
 - Rail
- Identify transportation system components
- Introduce operators to the operational considerations, constraints, and challenges of operating in a specific transportation mode
- History of specific transportation mode attacks
- Practical Exercises



Training/Outreach

BSRTS-T Objectives

BSRTS-T course is designed to provide Bomb Technicians the opportunity to make health-life safety decisions in a non-threatening environment in preparation for performing potentially hazardous Improvised Explosive Device (IED) render safe operations within Mass Transit Systems.



Training/Outreach

BSRTS-T Objectives – (Cont)

BSRTS-T course will introduce bomb technicians to the unique challenges of the Mass Transit Environment through a series of lectures, demonstrations and realistic practical exercises. The training is designed to identify and resolve potential problems before they manifest themselves during actual emergency situations.



Transportation Explosives Security Training Center (TESTC)

- Located in Pueblo, CO with the TSA's Surface Transportation Security Training Center (STSTC).
- Tasked with providing initial and specialized training to TSS-E in all modes of transportation explosives security.
- Explosives training for TSA
TSA Regulatory Inspectors



Training/Outreach

Training Support to FAMS and VIPR Teams

- **TSS-Es also provide training on:**
 - **LRBL**
 - **Simulator Drills**
 - **CBRN threat and personal protection**



QUESTIONS???



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