Edward Kittel
Chief, Explosives Operations Division
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.
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

Technical Countermeasures

Intelligence Threat Analysis

Training/Outreach

Technical Explosives Support to ALL Aspects of Homeland Security

Investigations

Post Blast / NTSB / FBI

Explosives Research and Testing

RDT&E

Advanced Alarm Resolution ViPR / JVA / EVA/MVA

Technical Security Support
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
Evaluating the 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
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
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.
BSRTS-T course will introduce bomb technicians to the unique challenges of the Mass Transit Environment though 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???

E-Mail: EOD_HQ@DHS.GOV