

Explosive Detection and Remediation

NIJ

IT & Training

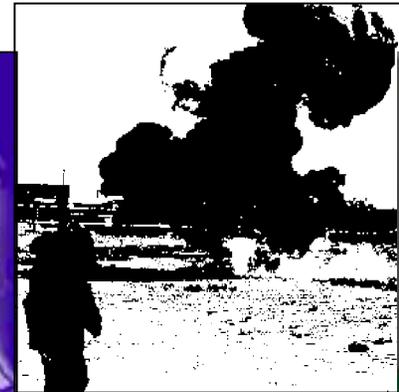
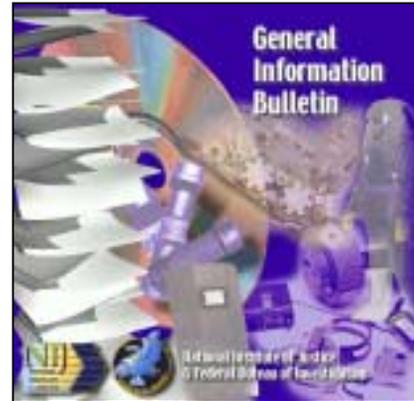
- 30-years of FBI TBs in CD format
 - ⇒ Distribution by FBI BDC
- New data products
 - ⇒ Meth labs, LVBs, etc.
- Wireless Palmtop
- Bomb Crime Scene Investigation Training Tool
- Critical Incident Response Tech. Seminars (CERTS)
 - ⇒ Threat and technology update for bomb squads
 - ⇒ TSWG, FBI, BATF

Robots

- Needs assessment done
- Vanguard eval. '02/'03
 - ⇒ With TSWG

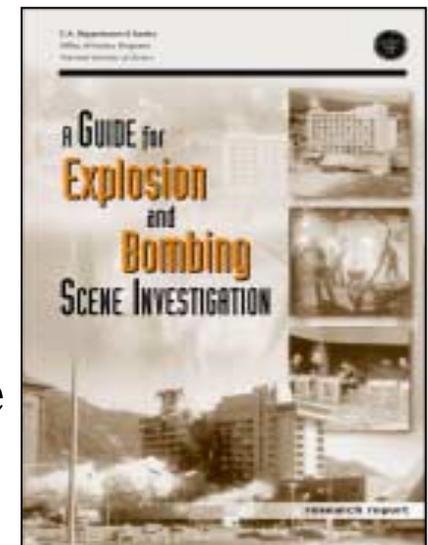


Vanguard



Standards & Assessments

- Bomb Scene Investigation Guide
- Bomb Suit, X-ray Diagnostic Systems, Explosive Detectors
- Pipe Bomb performance characterization
- Noise-Flash Diversionary Device assessment
- Bomb Containment Requirements Analysis



Explosive Detection and Remediation (Cont.)

Diagnostics

- Improved PC-based X-ray systems
 - ⇒ Involves 27 states, TSWG & FBI



RTR- 3 X-ray Diagnostic System



foxRay® II X-Ray Diagnostics System

Detection

- Apply MMW technology to explosives detection



Conceptual MMW Detector

Disruption

- Safely disable large fuel-fertilizer bombs



Flying Plate Disrupter on Tripod



Bomb (after Disrupter impact)

Protection

- Chem-Bio ensemble for Bomb Techs
 - ⇒ With TSWG



Med-Eng SRS-5