Title: Combating Terrorism Technology Support Office

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The following component part numbers comprise the compilation report:

ADP010797 thru ADP010815
Combating Terrorism
Technology Support Office

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Director, CTTSO

National Defense Industrial Association
Special Operations and Low Intensity Conflict Conference
February 12-14, 2001
Agenda

- Background and Mission
- Organization
- Business Processes
- Project Examples
- Current Focus Areas
CTTSO

- CTTSO manages TSWG programs by Charter between DOS and DoD
- Full time program managers and support staff
- On-site contracts, finance, and security
"Countering terrorism requires close day-to-day coordination among many Executive Branch agencies.... Part of the challenge is to identify needs, seek common approaches, and coordinate development of new technologies.... This is accomplished through the interagency Technical Support Working Group."

Excerpts from the President's 1995 National Security Science and Technology Strategy
TSWG Members

Department of Defense
- OASD(SO/LIC)
- OATSD(NCB)CP/CBD
- ODTUSD(P) PS/IP
- OUSD(A&T) DDR&E and S&TS/LW
- Defense Intelligence Agency
- Defense Logistics Agency
- Defense Threat Reduction Agency
- National Security Agency
- The Joint Staff
- Unified Commands
- US Atlantic Command
- US Special Operations Command
- US Air Force
  - Air Combat Command
  - AFMC
  - Force Protection Battle Laboratory
  - Force Protection System Programs Office
- US Army
  - SBCCOM / ECBC
  - Corp of Engineers / WES / PMDC
  - Criminal Investigations Command
  - Joint Program Office for Bio Defense
  - Medical Institute for Infectious Diseases
  - Office of the Chief of the Army Reserve
  - Special Forces
  - Technical Escort Unit
  - Consequence Management Integration Office
- US Marine Corps - CBIRF
- US Navy
  - JPO / STC
  - Naval Criminal Investigative Service
  - Naval Research Laboratory
  - Naval Special Warfare
  - NEODTD / DTRG

Department of State
- Office of the Coordinator for Counterterrorism
- Diplomatic Security

Department of the Treasury
- Bureau of Alcohol, Tobacco and Firearms
- Explosives Technology Branch
- National Laboratory Center
- Office of Law Enforcement
- US Customs Service
- US Secret Service
- Forensic Services Division
- Technical Security Division

Department of Justice
- Drug Enforcement Agency
- Federal Bureau of Investigation
- Counterterrorism Planning Section
- Hostage Rescue Team
- Laboratory Division
- Bomb Data Center
- Forensic Science and Training Center
- Hazardous Material Response Unit
- Material Analysis Section
- Materials and Devices Unit
- Explosive Operations Group
- Questioned Documents Section
- Scientific Analysis Section
- National Domestic Preparedness Office
- National Infrastructure Protection Center
- Special Operations Unit
- Federal Bureau of Prisons
- National Institute of Justice

Department of Agriculture
- Agricultural Research Service
- Animal and Plant Health Inspection Service

Department of Energy
- Defense Programs Elements
- National Laboratories
- Office of Safeguards and Security
- Office of Energy Intelligence

Department of Health and Human Services/USPHS
- Centers for Disease Control & Prevention
- Food and Drug Administration
- Office of Emergency Preparedness

Department of Commerce
- National Telecommunications & Information Administration
- National Institute of Standards
- Office of Security

Department of Transportation
- Intelligence and Security Division
- Federal Aviation Administration
- Office of Civil Aviation Security
- FAA Technical Center
- Office of Emergency Preparedness

Other
- Central Intelligence Agency
- Counterterrorism Center
- Center for CIA Security
- Office of Transnational Issues
- Environmental Protection Agency
- Federal Emergency Management Agency
- General Services Administration - Federal Protective Services
- US Postal Inspection Service
- US Postal Service - National Forensic Laboratory
Business Formulation Cycle

2 QFY

Requirements

3 QFY

Proposals

4 QFY

Task Selection

Task Initiation

OCTOBER

JULY

APRIL

JANUARY
Threats and Requirements

- Emerging Ballistics
- Toxic Industrial Chemicals
- Novel Explosives
- Cyber/ Information Operations
- IED Delivery Platforms
Subgroup Focus Areas

- Areas of special interest for each subgroup
- Bottom-up approach
- SOF interest at operator level
CBRN Countermeasures

- Protection
- Detection
- Decontamination
- Information Products
• **Purpose:** Develop a hazardous material database within a handheld computer.

• **Capabilities:** Hazardous Materials Properties, Protective Equipment and Emergency Response Tool
  – ~4000 Chemicals plus 24 CW Agents/Precedors

• **Availability:** February 2001
Explosives Detection and Defeat

- Detection
- Diagnostics
- Defeat
- Robotics
- Improvised Materials
Infrastructure Protection

- Physical Protection
- Cyber Protection
Investigative Support and Forensics

- DNA Recovery and Analysis
- Latent Fingerprint Recovery
- Computer Forensics
- Digital Evidence Development
- Tagging, Tracking, and Locating
Personnel Protection

- Vehicle Protection and Performance
- Transparent Armor
- Enhanced Body Armor
- Counter Sniper
Lightweight Body Armor

Requirement:
- Develop ultra-lightweight flexible body armor

Status:
- Completed development of armor using ZYLON fabric
- Completed NIJ Level IIIA certification
  - 9mm FMJ and 0.44 MAG projectiles
- Lightest Level IIIA armor currently available
Physical Security

- Blast Protection & Mitigation
- Entry Point Screening
- Vulnerability Assessments
- Advanced Sensors
Surveillance, Collection, and Operations Support

- Specialized Surveillance Equipment
- Reconnaissance Enhancement
- Terrorist Search and Recognition Systems
- Information Operations
Tactical Operations Support

- Advanced Imaging Systems
- Specialized Access systems
- CBRN Detectors
- Tactical Offensive Systems
- Tactical Communications Systems
Field Tests Show Halo Reduction

Standard OMNI IV
Night Vision
Monocular

Reduced Halo
OMNI IV
Prototype System

HaloRPG1099
SUMMARY

- Forum to Rapidly Identify, Prioritize, and Resolve Needs/Requirements
- User Driven
- Interagency and International
- Effectively Support Transition to Acquisition and Commercial Production