

NATIONAL INSTITUTE OF JUSTICE

Office of Science and Technology

NIJ's Less-Than-Lethal Program: An Overview

NDIA Non-Lethal Defense V

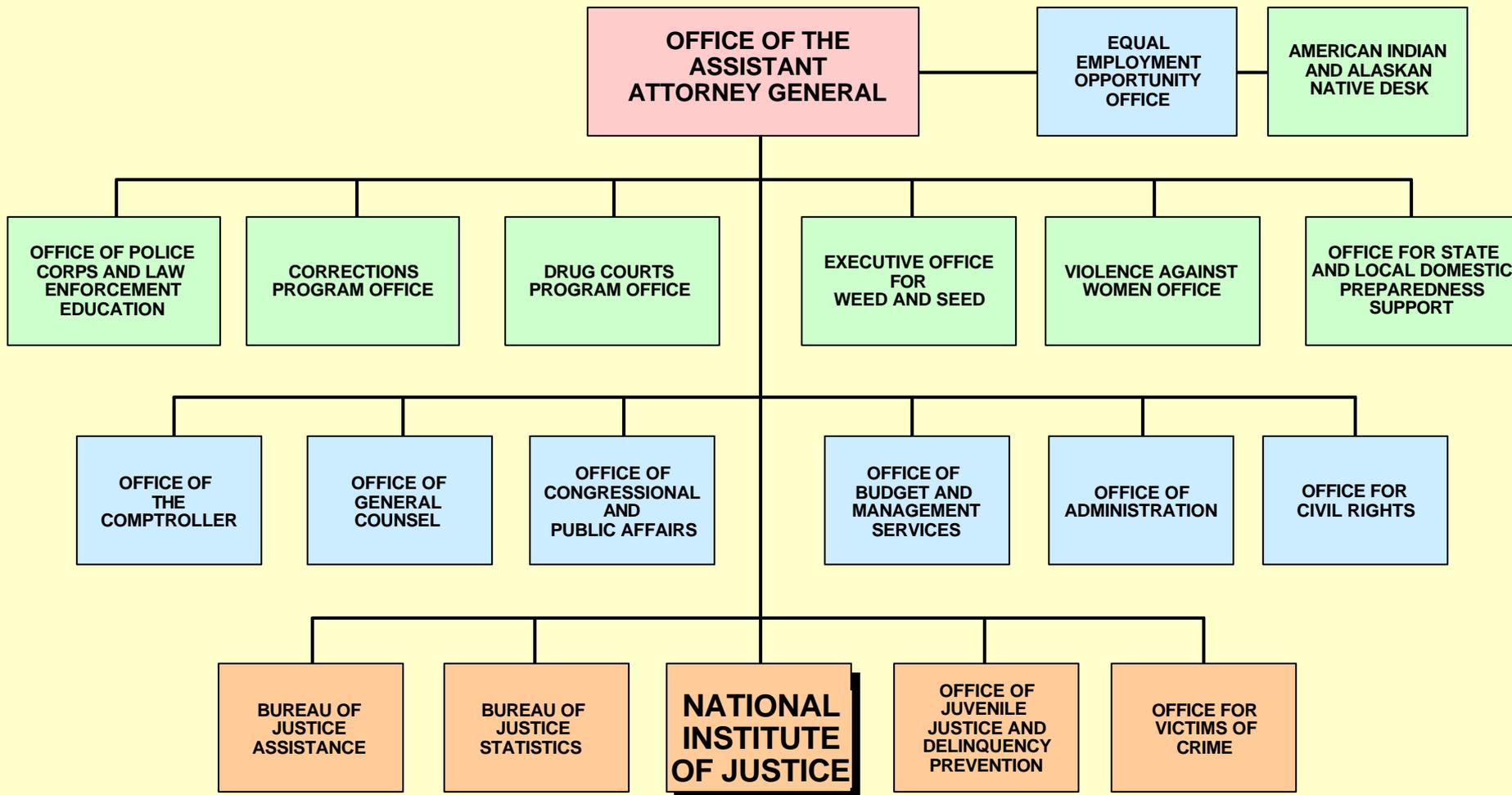
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Outline

- **NIJ**
 - **Mission**
- **NIJ OS&T**
 - **Mission**
 - **Portfolio**
 - **LTL Programs**
- **Solicitations**
- **General Information**

Office of Justice Programs Organization



MISSION OF NIJ

- **The science arm of the Department of Justice**
- **Has no operational mission**
- **Three major areas of responsibility**
 - **Dissemination of research findings**
 - **Office of Development and Communications (ODC)**
 - **Behavioral research**
 - **Office of Research and Evaluation (ORE)**
 - **Physical science research**
 - **Office of Science & Technology (OS&T)**

OS&T MISSION

- Identify law enforcement and criminal justice requirements for *new* technologies, especially at the State and local level.
- Find, research, and develop new technologies and *new* to applications existing technologies to improve policing, corrections and criminal justice in the United States.
- Introduce promising *new* technologies to law enforcement and corrections agencies.
- Provide technical and information assistance to law enforcement and corrections agencies at all levels in the area of technology.

NIJ's Technology Centers



Memorial Institute for the Prevention of Terrorism

Oklahoma City, OK

Institute for Security Technology Studies

Hanover, NH

Rural LE Technology Center

(2001)
Hazard, KY

NLECTC Northeast

Rome, NY

NLECTC National

Rockville, MD

Office of Law Enforcement

Standards

Gaithersburg, MD

Office of Law Enforcement

Technology Commercialization

Wheeling, WV

WVU Forensic Identification Program

Morgantown, WV

Marshall University Forensic

Science Center

Huntington, WV

NLECTC Southeast

Charleston, SC

National Center for

Forensic Science

Orlando, FL

National Forensic Science

Technology Center

St. Petersburg, FL

Center for Civil Force Protection

School Security Technology Resource Center

(Sandia National Laboratories)

Albuquerque, NM

NLECTC West

El Segundo, CA

Border Research

& Technology Center

San Diego, CA

NLECTC Rocky Mountain

Denver, CO

NLECTC Northwest

Anchorage, AK

☆ - National Law Enforcement & Corrections Technology Centers serving specific regions

● - Specialty Offices and Centers

▲ - Forensic Resource Network

LECTAC Priorities

Law Enforcement and Corrections Technology Advisory Council (LECTAC) has selected the following eleven priority project initiatives:

1. Non-intrusive concealed weapons and contraband detection

→ 2. **Vehicle stopping**

3. DNA testing

4. Officer protection

→ 5. **Less-Than-Lethal incapacitation**

6. Information Management

7. Counter terrorism

8. Crime mapping

9. Location and Tracking

10. Secure communications

11. Non-invasive drug detection

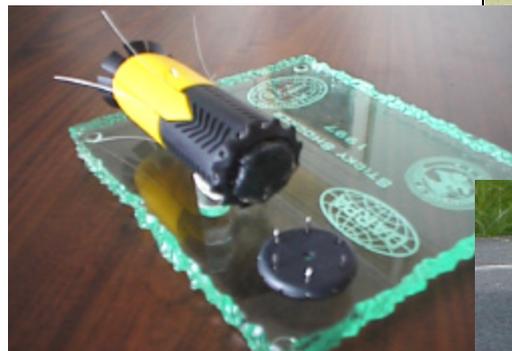
OS&T PORTFOLIOS

- ❖ Protective Systems Technologies
- ❖ Crime Prevention Technologies
- ❖ **Less-Than-Lethal Incapacitation**
- ❖ Communications Interoperability / Information Sharing
- ❖ Learning Technologies / Education & Training
- ❖ CyberCrime
- ❖ Investigative and Forensic Sciences
- ❖ Critical Incident Management / Counter Terrorism Technologies
- ❖ Standards

Technology Program Areas

- **Less-Than-Lethal**
Incapacitation

- Blunt Trauma
- Electrical
- Chemical (Pepper)
- Light/Laser
- Nets
- Acoustic
- Vehicle Stopping
- Modeling and Evaluation



OS&T SOLICITATIONS



Current Solicitations

(Mar 26, 2002)

NIJ Science & Technology Solicitation

Application Deadline: April 11, 2002

NIJ Less-Than-Lethal Technology Solicitation

Application Deadline: April 17, 2002

NIJ School Safety Technology Solicitation

Application Deadline: April 24, 2002

Technology Development Phases / Considerations

- Determine Operational Needs & Technology Solutions
 - Develop Concept & Analyze
 - Technology / Operational Tradeoffs, Safety, Liability, Acceptability, Cost...
 - Research & Develop
 - Build, Test, Evaluate, Fix, Test, Evaluate...
 - Commercialize / Produce
- ⇒ **Developer & End-User Coordination Throughout Process**

Internet Web Sites

- National Institute of Justice (NIJ) Home Page:
<http://www.ojp.usdoj.gov/nij/>
- Justice Technology Information Network (JUSTNET) <http://www.justnet.org/>
- One Page Description of OS&T Projects:
<http://www.ojp.usdoj.gov/nij/new.htm>
- Justice Information Center (National Criminal Justice Reference Service) <http://www.ncjrs.org/>

DOD vs. LE LTL Requirements

	<u>Typical DOD</u>	<u>Typical LE</u>
<u>Range</u>	100 to 1000 ft.	0 to 100 ft.
<u>Size/Weight</u>	Vehicle mount or smaller	Person portable
<u>Cost</u>	Tolerate higher costs	Under \$500

DOD vs. LE LTL Requirements

Typical DOD

Typical LE

Operation

Crowd Control
Area of denial (AOD)
Tolerate preparation time

1-on-1 confrontation
AOD - limited use
Limited or no prep time

Logistics

Personnel available for:
planning, set-up &
maintenance
Trained, practiced &
specialized

Limited Personnel
On belt or in trunk
Trained generalist