

Less Than Lethal Program

National Institute of Justice

Office of Science and Technology

Research and Technology Development Division

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Less Than Lethal Program

Who NIJ supports:

~1M police & correctional officers

this compares to

JNLWD: ~1.4M active military

or another way to look at this is

40% of potential users of LTL devices are in LE

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What NIJ supports:

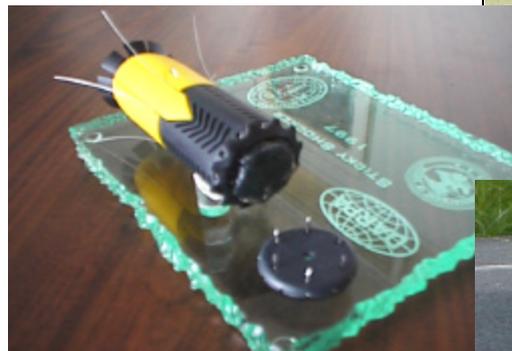
Research and testing for state and local LE:

- Health and Safety Effects
- Modeling and Simulation
- Development of LTL Devices or Weapons
- Studies in LTL Devices or Weapons
- Testing LTL Devices or Weapons
- Joint programs with DoD and Civilian LE

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- **Less-Than-Lethal**
Incapacitation

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



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Examples of Ongoing Programs:

Compiling Comparative LTL Device Information

Funding comprehensive “Attribute Based Evaluation for LTL

Funding safety and effectiveness testing of Stun Devices

Evaluate dermal & toxic effects of OC to humans

Active Light Barrier

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Examples of Ongoing Programs:

Variable Range LTL projectile

Funding Biomechanical models - presenting Wednesday

Evaluating the feasibility and safety of microwave vehicle
stopping technology

Refining electrostatic discharge technology to stop fleeing
vehicles

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SOLICITATION - Closes April 17, 2002

Concepts we are looking for:

Pilot programs in Protective Security

Example: In public buildings, or airports basically “homeland security”

Use of LTL on public transportation

Example: On trains, subways, or in airplanes

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Concepts we are looking for :

“Force on Target” concept

Devices whose force is independent of range

Multiple Shot devices

Multi-shot - “the six shooter”

Personal or small LTL device

Items that can be disguised & concealed in a pocket

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Ideas or ways to get involved:

Talk to the LE & Correction presenters

Visit our web sites:

National Institute of Justice (NIJ)

www.ojp.usdoj.gov/nij

Justice Technology Information Network (JUSTNET)

www.nlectc.org

National Criminal Justice Reference Service (NCJRS)

www.ncjrs.org

Use the Center system - presented next

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References:

Pepper Spray's Effects on a Suspect's Ability to Breathe. (NIJ)

Use of Force By Police: Overview of National and Local Data.
(NIJ)

Pursuit Management Task Force.pdf (NIJ)

Crowd Control Reportt - HEAP.pdf (PSU)

Attribute Based Evaluation - LTL.pdf (PSU)

JUSTNET & NCJRS also has similar reference material

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LE Requirements vs. DOD Requirements

Typical DOD

Typical LE

Range

100 to 1000 ft.

0 to 100 ft.

Size/Weight

Vehicle mount or smaller

Person portable

Cost

Tolerate higher costs

\$500 or less

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LE Requirements vs. DOD Requirements

Typical DOD

Typical LE

Operation

Crowd Control
Tolerate preparation time

1-on-1 confrontation
Ready to use

Logistics

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

Limited Personnel
On belt or in trunk
Trained generalist

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LE Requirements vs. DOD Requirements

Typical DOD

Typical LE

Use of Chemicals

Extremely restrictive

Restrictive [ex RCAs]

Personnel Encountered

Men, women & children [non-military]
“Good” physical condition

Men, women & children
Alcohol & drugs a factor

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LE Requirements vs. DOD Requirements

Typical DOD

Typical LE

Legal/Media Implications

International law

diverse state/local laws

Global media present

Local/National media

Non-citizen peacekeeping

Citizen peacekeeping

Management

Centralized

Per local or community

Custom development of policies, procedures and training

Important when going into litigation

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If time permits:

Questions?