

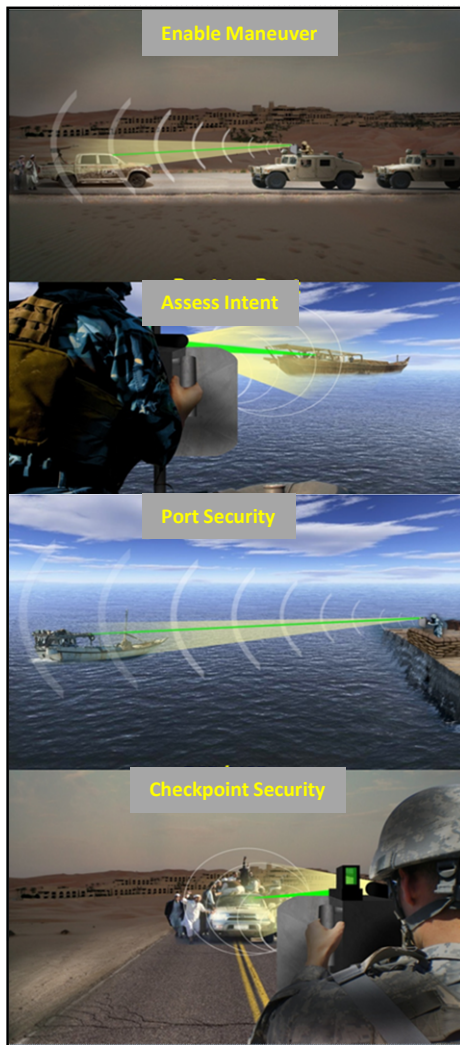


# Dept. of Defense Non-Lethal Weapons Program

<http://jnlwp.defense.gov/>



## Directed Energy Portfolio: Sound and Light *Hail, Warn and Communicate*



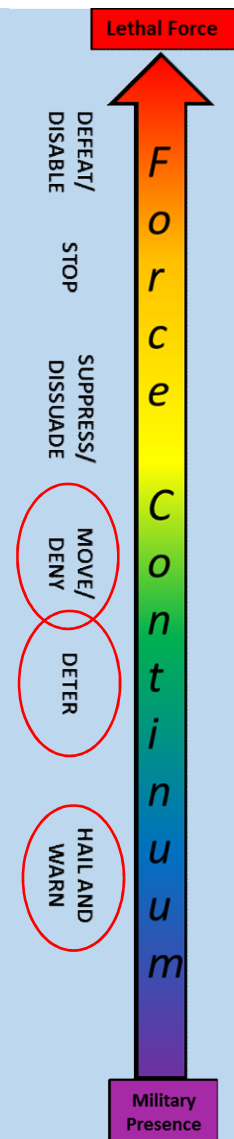
**Sound and Light (S&L) Directed Energy (DE) Non-Lethal Weapons (NLW) systems** integrate various independent technologies such as:

- dazzling lasers
- high-intensity lights
- acoustics
- operating interface systems

into ergonomic and effective system-of-systems elements that hail, warn, move, disrupt and suppress individuals with very low risk of significant injury.

**OPERATIONAL IMPACT:** Enable commanders to control or de-escalate a situation using NLW to hail, warn, dazzle and/or communicate. The Program's S&L portfolio supports National Defense Strategy objectives, including:

- Defending the Homeland
- Deterring aggression
- Defending U.S. interests below armed conflict
- Full-scale war



### Future Efforts:

- Operational assessments
- Fully integrated system of systems
- Laser and acoustic enhancements
- Unmanned/autonomous operation

**Why NLW?** NLW complement lethal force by giving service members engaged in ground, maritime and air operations more options and decision space. They are a force multiplier that enhances the Joint Force's adaptability to support strategic objectives, which include minimizing civilian casualties.

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