Unmanned Systems Force Protection

- Small UAVS
- Medium UAVs
- Ground Vehicles
- Surface Vehicles
- Underwater Vehicles
Unmanned Aircraft Systems

6 planes that flew at USNA Demo

www.auvsi.org
Small UAS

Boeing’s ScanEagle

Aurora’s GoldenEye 80
Medium UAS

Schiebel's Camcopter S-100

Cybaero

Boeing’s A 160 Hummingbird
Ground Vehicles

Foster-Miller's Dragon Runner and Talon

GDRS’ MDARS

Boston Dynamics' Big Dog
Surface Vehicles

GDRS’ Antisubmarine Warfare USV

Rafael’s Protector

www.auvsi.org
Underwater Vehicles

AutoTracker Trial and SeeByte

VideoRay’s Pro 4
What are some benefits from utilizing unmanned systems?

- Can do multiple jobs from one investment
  - Security Patrol (24/7 365 days a year)
  - Inventory
  - Environment status
    - Fire
    - Temperature
  - Language interpreter
- Great application to handle escalation of hostility
  - Apply a deterrent
    - Non-Lethal
    - Lethal
- Can save money – reduce theft
What stops us from fielding unmanned systems?

- Authority to operate in human environments
  - FAA regulations
  - DOT regulations
  - Coast Guard regulations
- Understanding that safe can not be zero
- Positive Cost Benefit Analysis
- Fear of unmanned systems becoming the Terminator