

Headquarters U.S. Air Force

Integrity - Service - Excellence

Air Force Non-Lethal Weapons Program Non-Lethal V Seminar



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Chief, Operations Division**

26 MAR 2002

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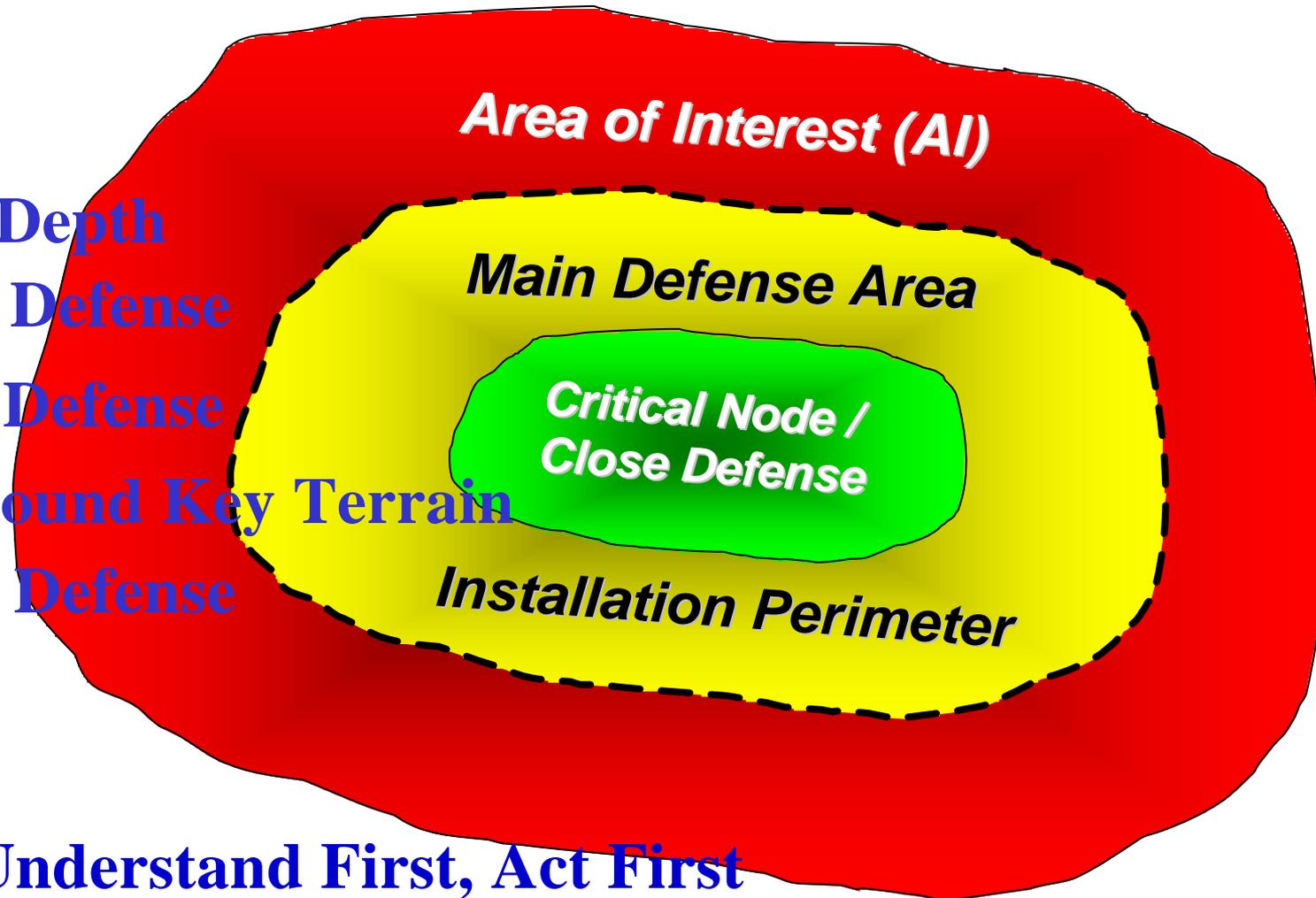


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Installation Battlespace



- Defense in Depth
- Aggressive Defense
- Integrated Defense
- Defense Around Key Terrain
- Around All Defense



See First, Understand First, Act First



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Essential Elements of IBD



Deceive

- Distort enemy view, mislead

Deter

- Discourage enemy action
- Make consequences clear

Anticipate

- Enemy's perspective
- Prepare accordingly

Deny

- Prevent enemy use of space and means to attack

Delay

- Slow enemy without decisively engaging

Detect

- See all potential threats

Assess

- Analyze defense effect, leverage intel

Deploy

- Rapidly mass force
- Attain positional advantage

Neutralize

- Render enemy ineffective

Mitigate

- Minimize effect of enemy successes



AF NLW PROGRAM

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AF Non-lethal Capabilities Integrated Concept Team (NLC ICT)

- **Assist the JCIG/IPT**
- **Cross functional team (AF/XO/CE/XP)**
- **First meeting – Dec 01**
- **Second meeting scheduled for 4QFY02**

Concept of Operations (CONOPS) for NL Capabilities

- **Bridging document for NL capabilities for current and future applications**
- **First draft completed – AFSFC coordination in progress**

Integration with Integrated Base Defense (IBD) 2020

- **Achieving Battlespace Domination**
 - **See First – Ensures enemy sees last**
 - **Understand First - Ensures enemy understands last**
 - **Act First – Force enemy to act last or incorrectly**



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NL R&D Programs

- **Active Denial Technology - Approved Advance Concept Technology Demonstration (ACTD)**
 - **AF Lead Service**
 - **Air Combat Command-ACTD Operational Manager**
 - **Electronic Systems Center (ESC/FD) -Transition Manager**
 - **Air Force Research Lab (AFRL)-Technical Manager**
 - **Mobile Platform – Delivered to the field FY04**
 - **Services test at “no cost” – OSD/JNLWP Funded**
- **Hindering Adversaries with Less-than-lethal Technology (HALT)**
 - **Operational testing tentatively scheduled for 3QFY02**
 - **Final Report – 4QFY02**
 - **AF initiative, PESAG funded**



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NLW Current Capabilities

- **Traditional munitions and equipment:**
 - **Batons**
 - **OC Spray**
- **Non-materiel capabilities**
 - **Verbal Judo**
 - **Training in NLW employment (27 Airmen trained to date) at the Joint Non-Lethal Weapons Instructors course**
 - **Show of Force (RAVENs, Mobile Patrols, Aircraft Flyovers)**
- **Approved munitions/equipment**
 - **12 Gauge Bean Bag round, limited use (AA26)**
 - **Taser, limited use (M26)**
 - **Stun Grenade, limited use (M84)**
 - **40 MM sponge round (M1006)**



Near Term Capabilities

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- **Active Denial System (ADS) – AF led program, designed to repel personnel using directed energy.**
- **NL Capability Set – Equipment and munitions package for 13 person UTC (SF Deployable unit)**
 - **Equipment (Protective and Training)**
 - **Riot shields, batons, shin guards**
 - **Munitions – Pending AF Approval:**
 - **12 gauge Point and Area Target rounds**
 - **40 MM Area Target round**
 - **Sting Ball hand grenade**
- **Laser Illuminator – Hindering Adversaries with Less-than-lethal Technology (HALT), AF specific program**
 - **Eye-safe laser to induce flash-blindness on the suspect**
- **RAVEN NLCS – Smaller package for Phoenix Raven security teams**



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Desired Capabilities

- **Capability to deliver NL payload from an airborne platform whether C-130 or unmanned aerial vehicle**
- **Ability to tie NL capability into a detection and assessment device, i.e. ADS into a sensor activation**
- **Ability to deploy NL Capability effectively and efficiently across the entire use of force spectrum**
- **Ability to deliver a NL capability through man-portable systems (Set the phaser on stun, Scotty)**
- **Capability to deliver NL energy through non-threatening means**
- **Ability to deliver a NL payload from a robotics platform**



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Air Force -- Security Forces

QUESTIONS?????

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