



Presented by:

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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

**CERDEC I2WD - Electronic Warfare Air/Ground Survivability Division
Advanced Protection**

Develop the S&T strategy for Advanced Protection

How do we approach the problem?

Multi-function
use of
technology



Holistic
coordination of
technologies

Advanced Protection Working Group

Aircraft Survivability Equipment



Advanced Protection Concepts



Vulnerability Reduction

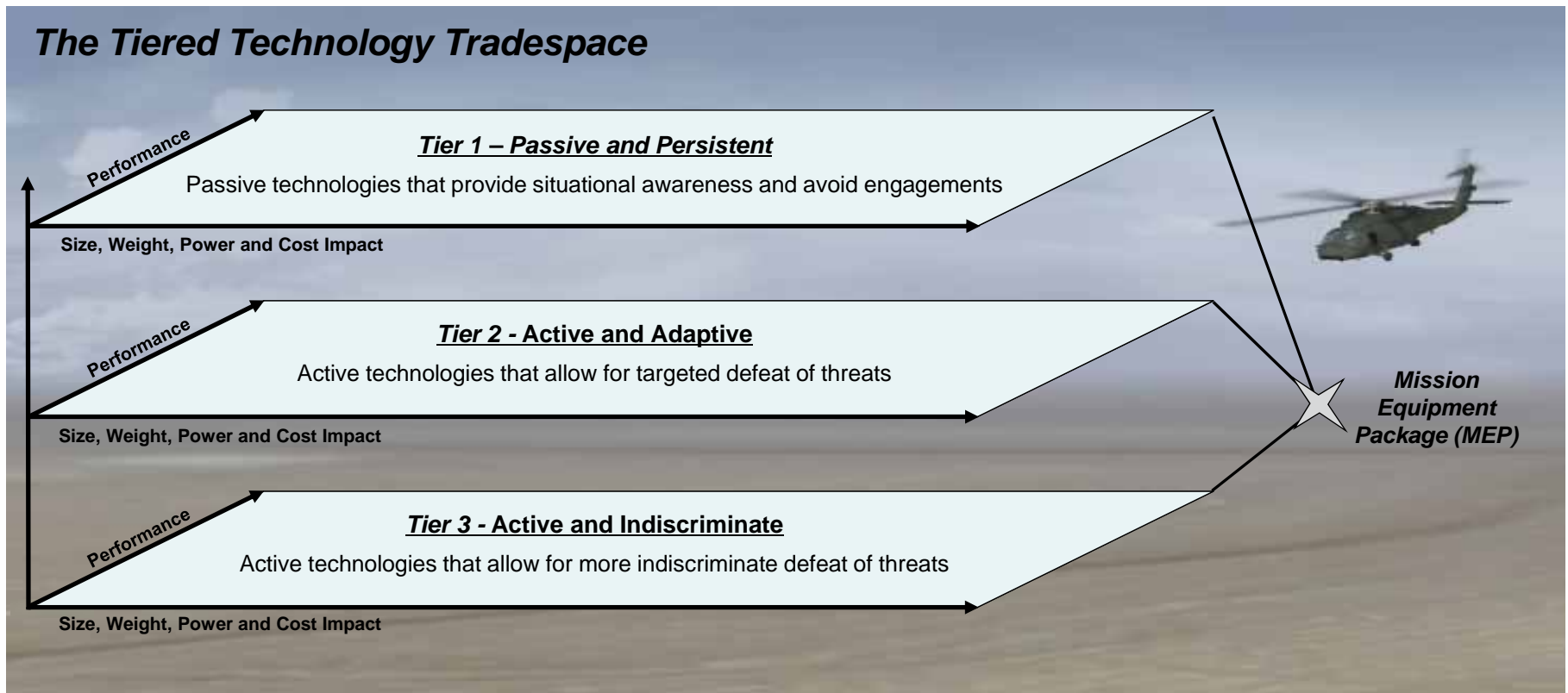


Overarching Architectures



Coordinated investment across S&T community contributes to Advanced Protection

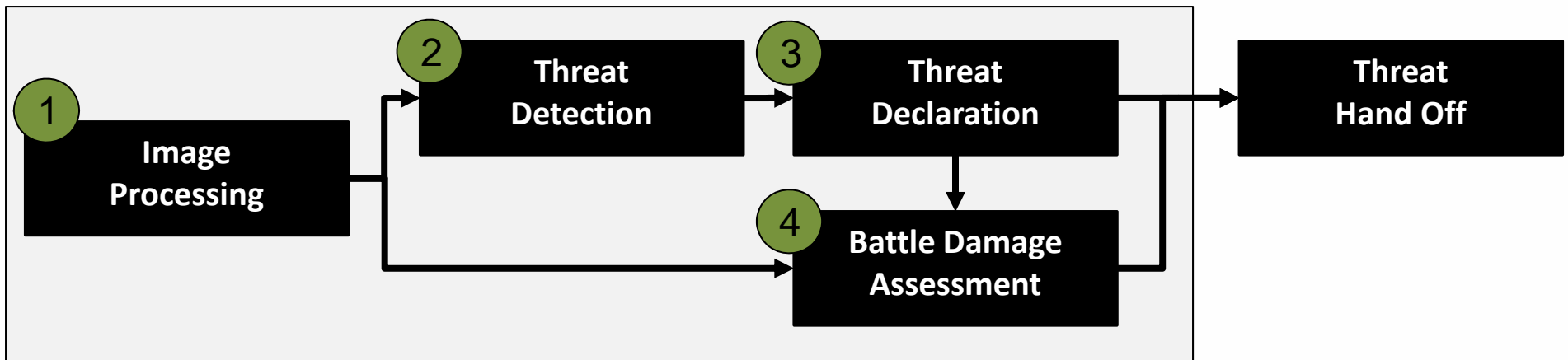
Challenge: *There is no 'silver-bullet' that addresses all threats and operating environments*



Advanced Protection enables freedom to maneuver in the global commons

Objective: Counter adaptive and agile threats; adapt to tactical environments; outpace adversary decision-making

1. **Image Processing:** Ability to correct and/or enhance sensor data
2. **Threat Detection:** Ability to adapt to complex environments
3. **Threat Declaration:** Ability to adapt to threats and maintain performance
4. **Battle Damage Assessment (BDA) :** Ability to accurately measure effectiveness



- S&T laboratories offer a unique capability that contributes throughout the acquisition life cycle
 - Support technology development and technology insertion
 - Enable independent evaluation of technologies from diverse sources
 - Support PORs and develop body of evidence for test/evaluation
- CERDEC Advanced Protection laboratories are integrated into an end-to-end development environment

