

DEFENSE INTELLIGENCE AGENCY



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**BRIEFING TO HUNTSVILLE AEROSPACE
MARKETING ASSOCIATION (HAMA)**

SEPTEMBER 2022



AGENDA

- **MSIC Overview**
- **Current Threat Focus**
- **Challenge Areas**
- **Conclusion**



MSIC MISSION – 600+ FOREIGN THREAT WEAPONS

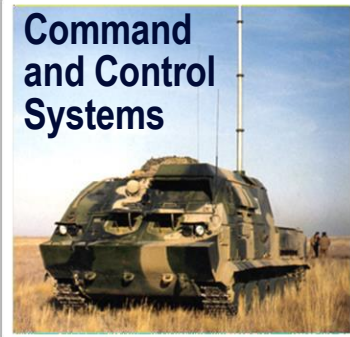
TECHNICAL ANALYSIS TO:

- **Characterize** Threat Weapon Systems
- Quantify Their **Performance**
- Understand **Operational** Employment, and
- Identify **Vulnerabilities** to Enable Their Defeat

Ballistic Missile Systems



Command and Control Systems



To Support War Fighters,
Weapons Developers,
Policy Makers and
Homeland Security

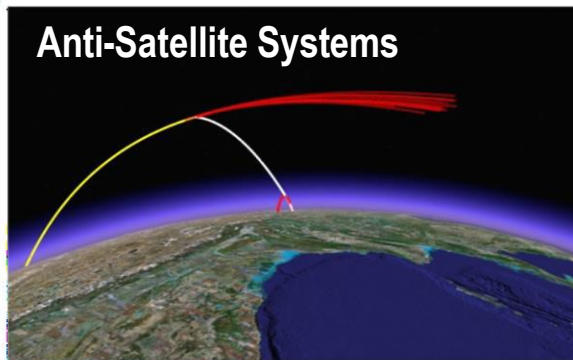
Air and Missile Defense Systems



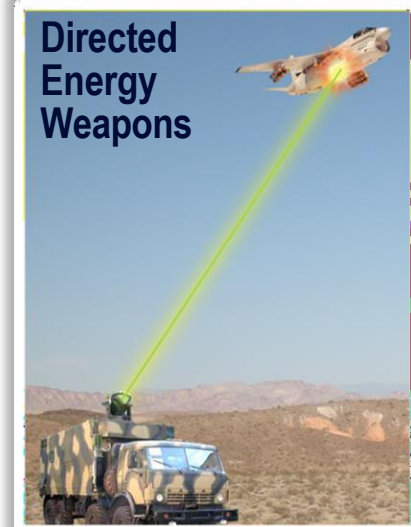
Anti-Tank Guided Missile Systems



Anti-Satellite Systems



Directed Energy Weapons





MSIC: 66 YEARS AND COUNTING...

Threat Systems



World Events



Gary Powers
Shootdown 1960



Cuban Missile
Crisis 1962



Vietnam War
1964-1974



Operation Desert Shield/Storm 1990



Operation Iraqi
Freedom 2003

Command
Deployments

1945 1950 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2019

1956

Army Ballistic
Missile Agency
(Army R&D)

1985

Army
Intelligence
Agency

1992

Defense
Intelligence
Agency



DIA AT A GLANCE

Mission

Provide intelligence on foreign militaries and operating environments that delivers decision advantage to prevent and decisively win wars.

16,500 Employees

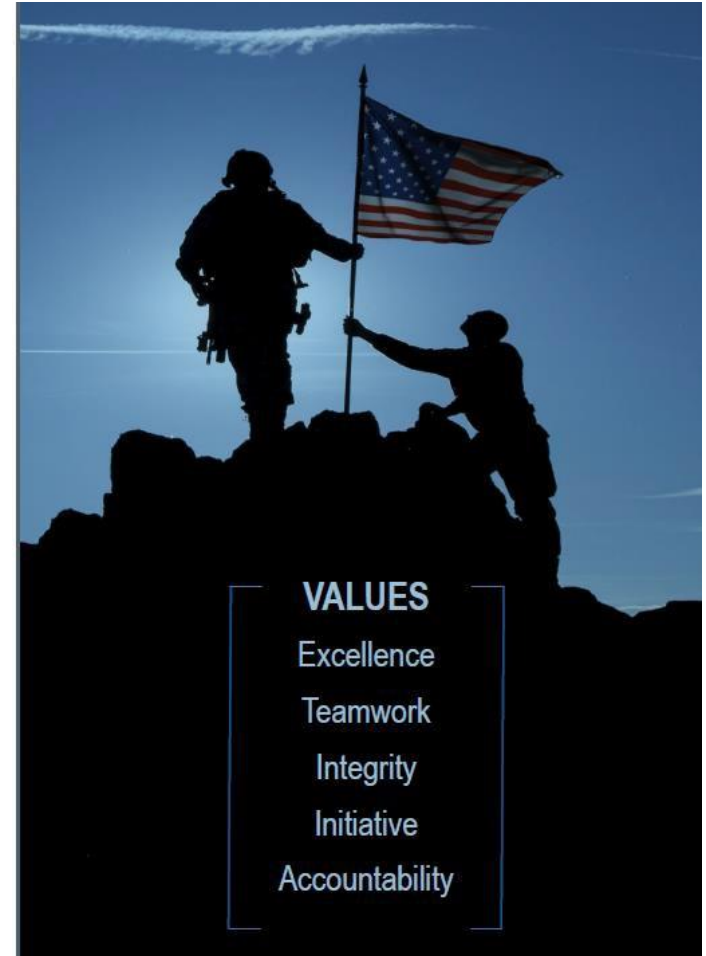
74% Civilian, 26% Military

50% of workforce outside DC area and in 140+ countries

- US-based national centers and military facilities
- Combatant Commands
- US Embassies
- Deployments

VALUES

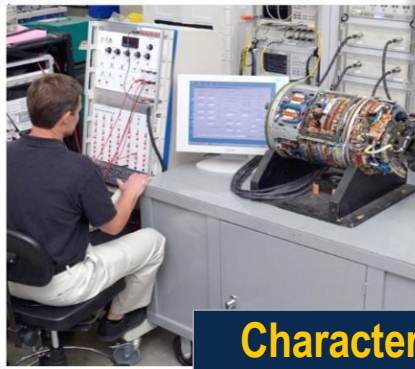
Excellence
Teamwork
Integrity
Initiative
Accountability





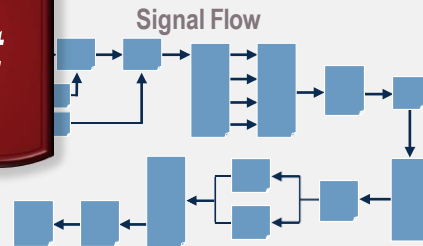
WHAT WE DO

HUMINT
OSINT
GEOINT
MASINT
SIGINT
FME

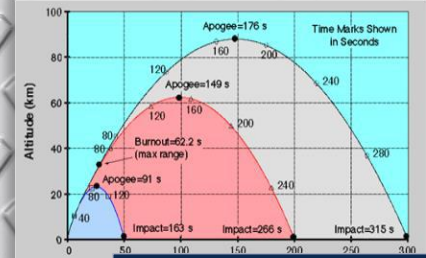


Characteristics

*How
Does It
Work?*

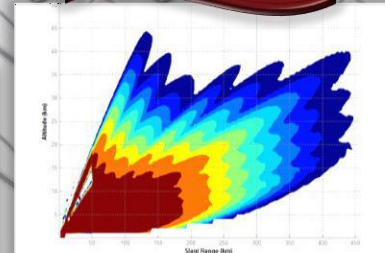


Design



Capabilities

*How Well
Does It
Work?*



Limitations

*How
Can It Be
Defeated?*



Vulnerabilities



Operations

Modeling
and
Simulation

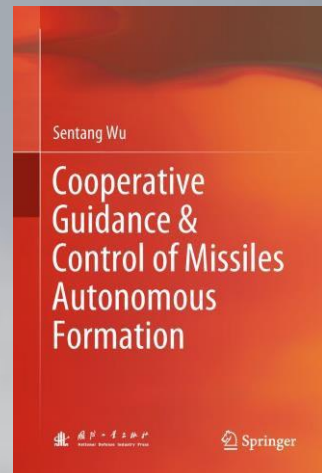


CURRENT THREAT FOCUS

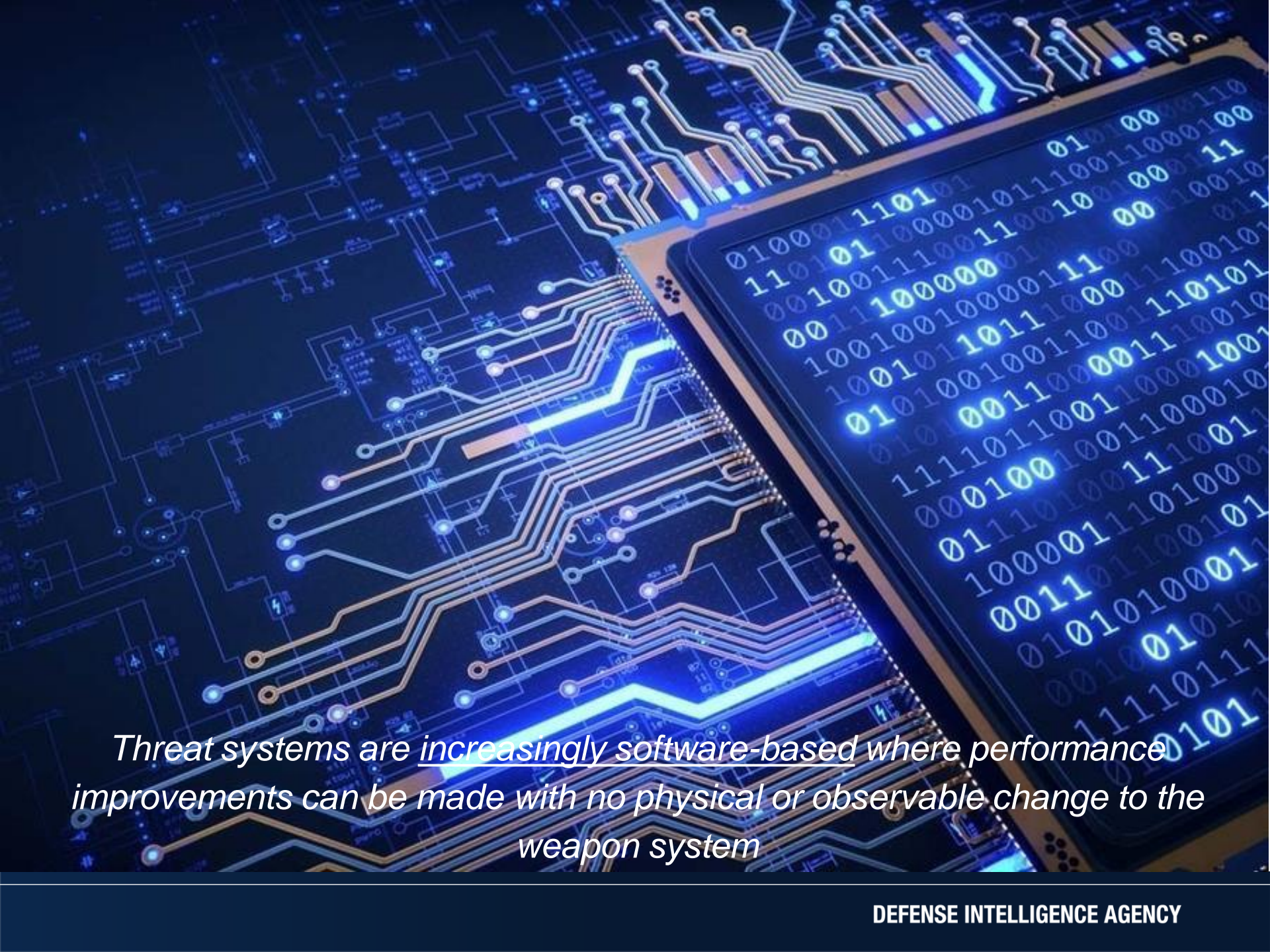




Threat systems are increasingly utilizing integrated kill webs to network systems together to increase lethality and survivability



Networked weapon systems enable cooperative autonomy where weapon systems work together without direct human involvement



Threat systems are increasingly software-based where performance improvements can be made with no physical or observable change to the weapon system



CHALLENGE AREAS

- Weapon Testing
- Software/Firmware Advanced Reverse
- Engineering Tools Digital Modernization
- Advanced Sensor Exploitation
- Next Generation RF Exploitation



NEEDIPEDIA

<https://www.dia.mil/Business/Needipedia>

- Read the Open BAA and Open CSO instructions via links provided on Needipedia
- Identify one of the CURRENT NEEDS that best matches your proposed solution
- Prepare a white paper by following the format requirements, starting on page 8 of the Open BAA, and use the most current coversheet
- Submit your unclassified white paper to Ideas2Action@dodiis.mil



DEFENSE INTELLIGENCE AGENCY

COMMITTED TO EXCELLENCE IN DEFENSE OF THE NATION