

Headquarters U.S. Air Force

Integrity - Service - Excellence

The Air Force View of IAMD in a Joint Environment



U.S. AIR FORCE

**Maj Gen Timothy M. Ray
Director, Operational Planning,
Policy & Strategy
11 Jul 2013**

This Briefing is Unclassified



U.S. AIR FORCE

INTRO / BLUF

- **Air Force View**
- **Homeland Defense**
- **Regional Challenges**
- **Air Force IAMD Lines-of-Effort**
 - **Operational C2**
 - **Tactical C2/C3**
 - **Sensors**
 - **Engagement Systems**



Air Force View of IAMD

JP 3-01: Countering air and missile threats requires a holistic approach that includes:

- OCA attack ops
- Active AMD
- Passive AMD
- C2 and ISR framework

IAMD

COUNTERAIR

OFFENSIVE COUNTERAIR

- Attack Operations
 - Attacks on missile sites, airfields, command and control, infrastructure
- Suppression of Enemy Air Defenses
- Fighter Escort
- Fighter Sweep

DEFENSIVE COUNTERAIR

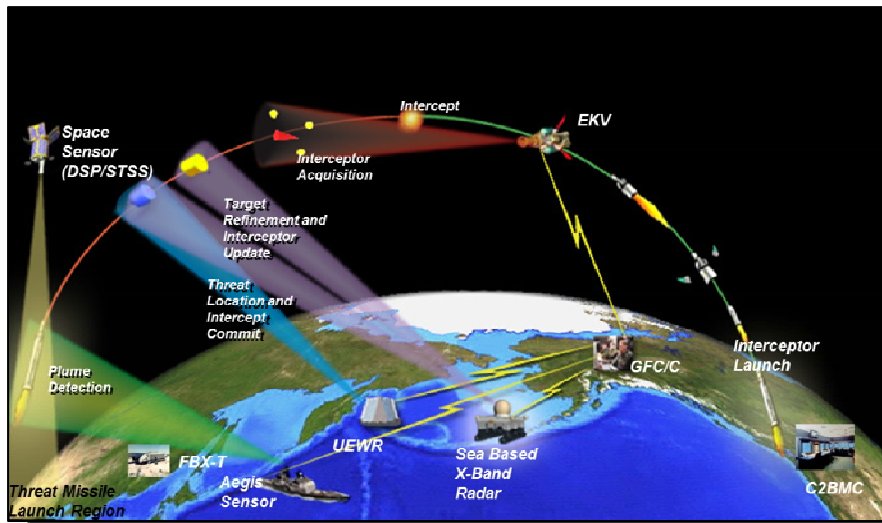
- Active Air & Missile Defense
 - Air Defense
 - Ballistic Missile Defense
- Passive Air & Missile Defense
 - Detection & Warning
 - CBRN Defenses
 - Camouflage, Concealment, & Deception
 - Hardening
 - Reconstitution
 - Dispersion
 - Redundancy
 - Mobility



U.S. AIR FORCE

Homeland Defense

- Missile Defense
- Missile Warning
- Air Defense
- C2
- Deterrence



Integrity - Service - Excellence



Regional Challenges

U.S. AIR FORCE



Our focus should always be on returning to the offense – we cannot be content to play catch.

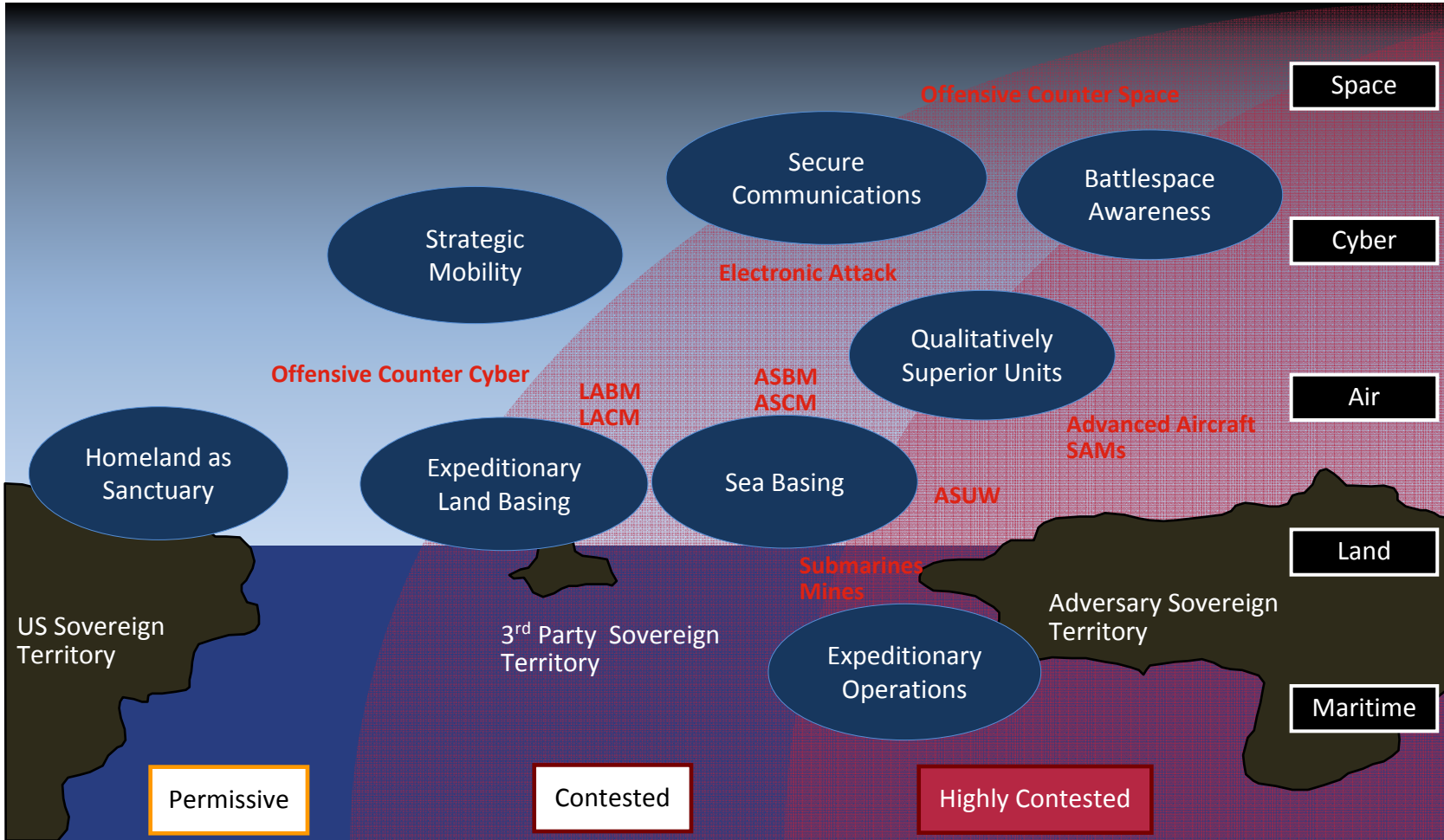
Integrity - Service - Excellence



U.S. AIR FORCE

A2/AD Challenges Force Projection

Networked > Integrated > Attack in Depth > Disrupt > Destroy > Defeat

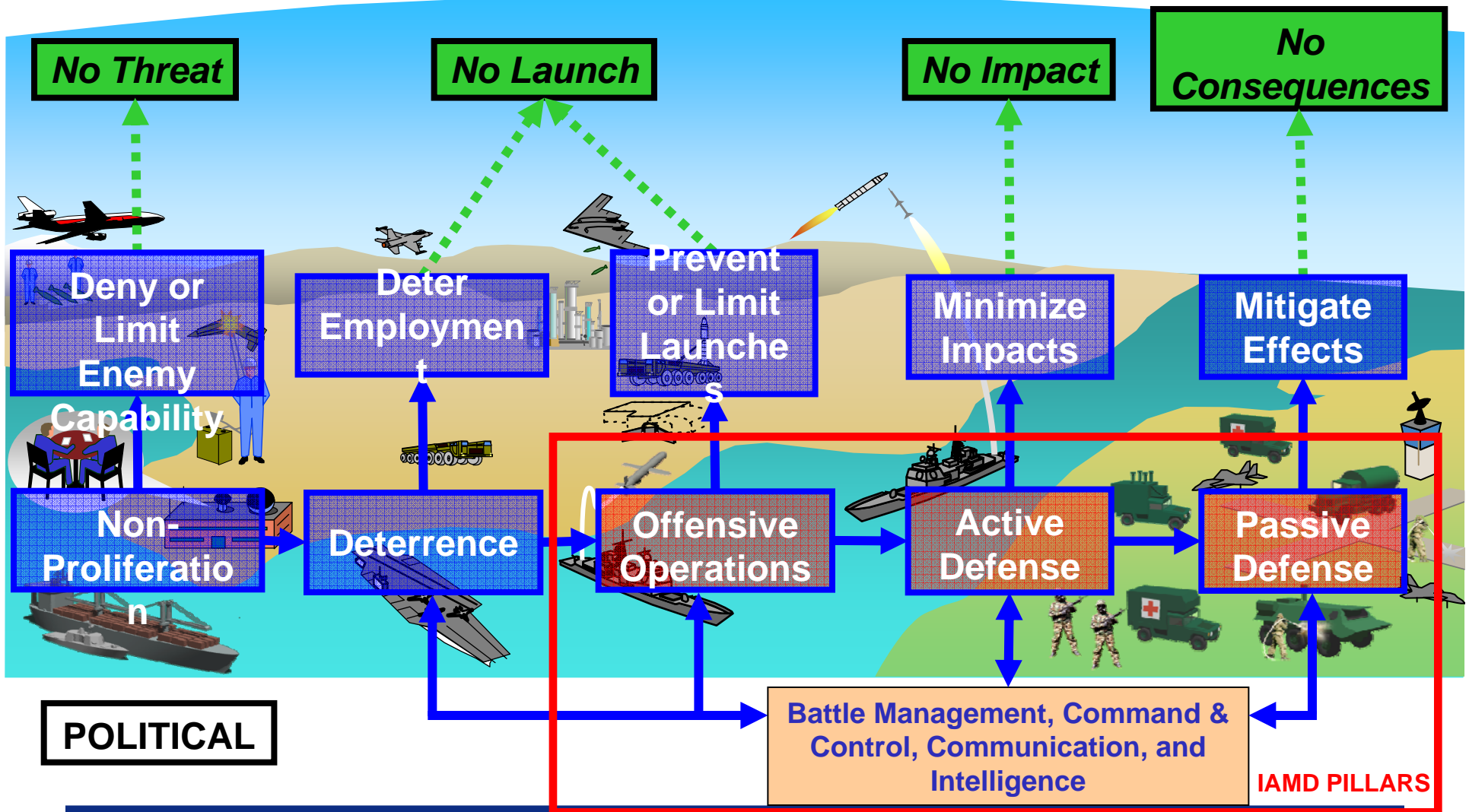


Integrity - Service - Excellence



U.S. AIR FORCE

Four Pillars of IAMD



Integrity - Service - Excellence



Air Force IAMD Lines-of-Effort

U.S. AIR FORCE

- Command and Control
- Sensors
- Engagement Systems

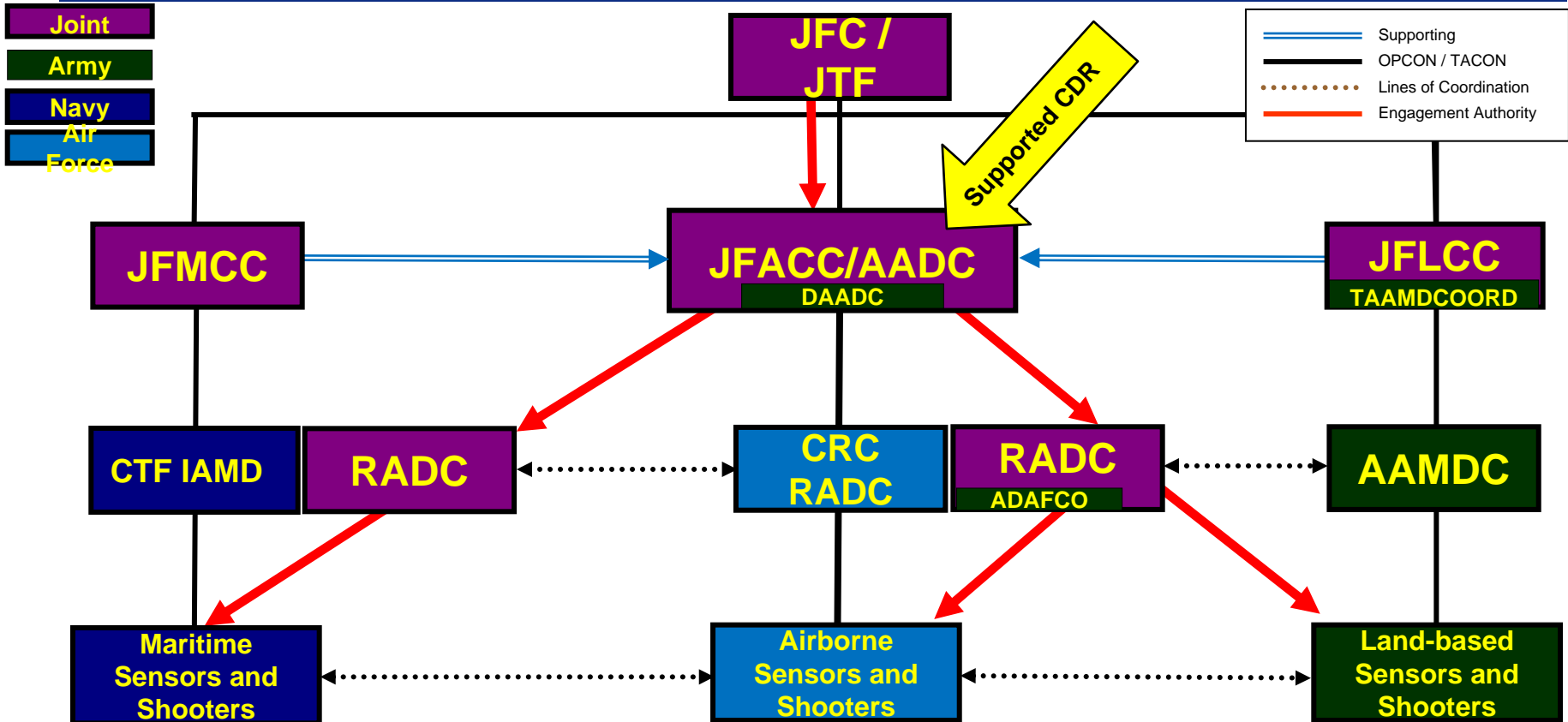


Integrity - Service - Excellence



U.S. AIR FORCE

Operational C2



1. JFMCC and JFLCC are supporting commanders to JFACC/AADC for IAMD
2. Navy retains OPCON/TACON of multi-mission IAMD ships; Army retains OPCON/TACON of Army ADA forces
3. AADC engagement control and authority for multi-mission IAMD ships is normally through a RADC designated by JFACC and approved by the JFMCC



Tactical C2/C3

U.S. AIR FORCE

- CRC Modernization
- AWACS 40/45
- Joint Aerial Layer Network
- 5th – 4th Integration
- Joint Track Management Capability



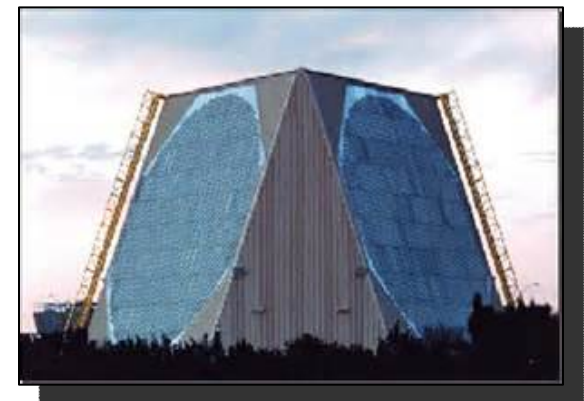
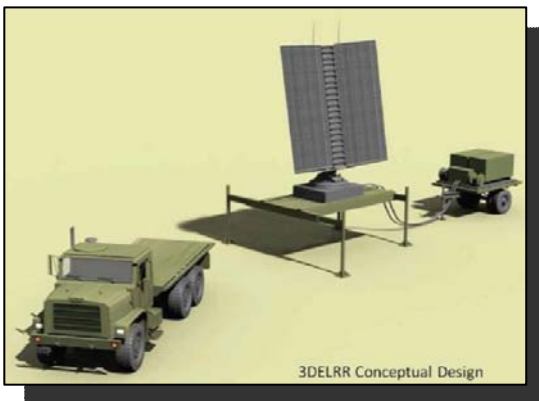
Integrity - Service - Excellence



U.S. AIR FORCE

Sensors

- 3DELRR
- TACAIR sensors
- AWACS sensor way ahead
- BMD tracking and discrimination
- Space sensors



Integrity - Service - Excellence



U.S. AIR FORCE

Engagement Systems

- Air-to-Air
- Air base defense
- BMD engagement

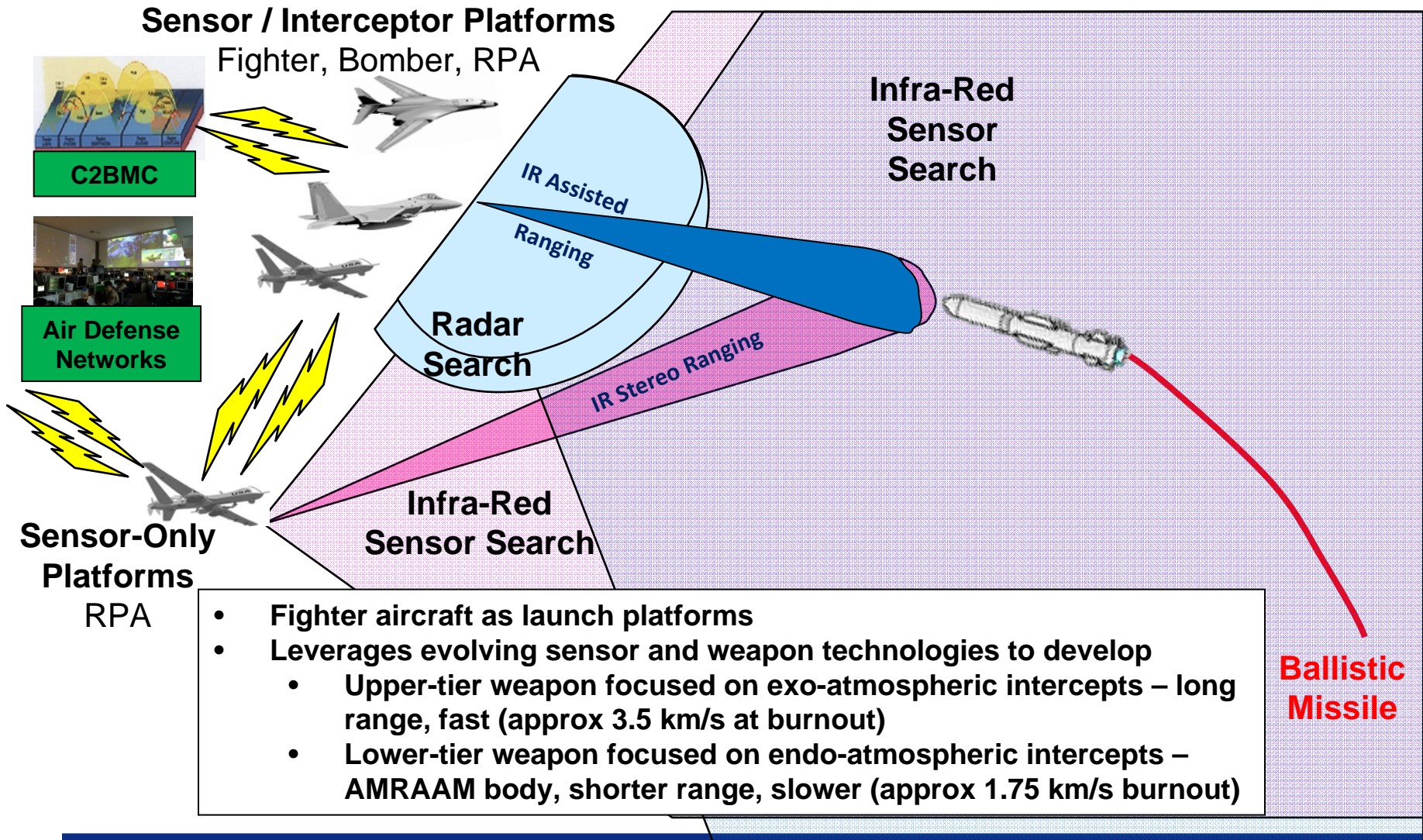


Integrity - Service - Excellence



Airborne Weapons Layer Concept

U.S. AIR FORCE



Integrity - Service - Excellence



U.S. AIR FORCE

Questions?

Integrity - Service - Excellence