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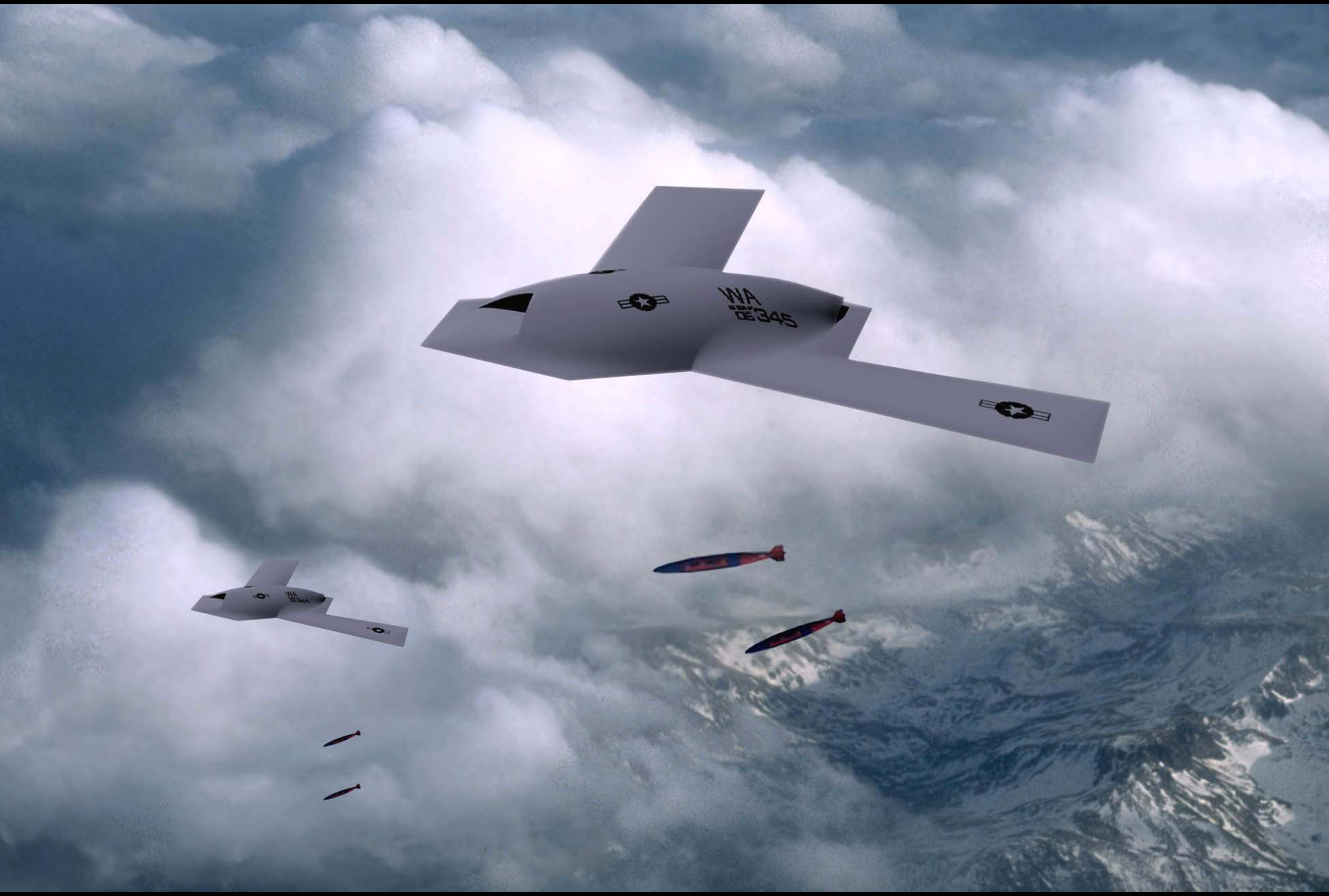
# Col Michael Leahy, USAF

## Program Manager

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U.S. AIR FORCE

TTO
Tactical Technology Office

AIR COMBAT COMMAND

AIR FORCE RESEARCH LABORATORY

AERONAUTICAL SYSTEMS CENTER

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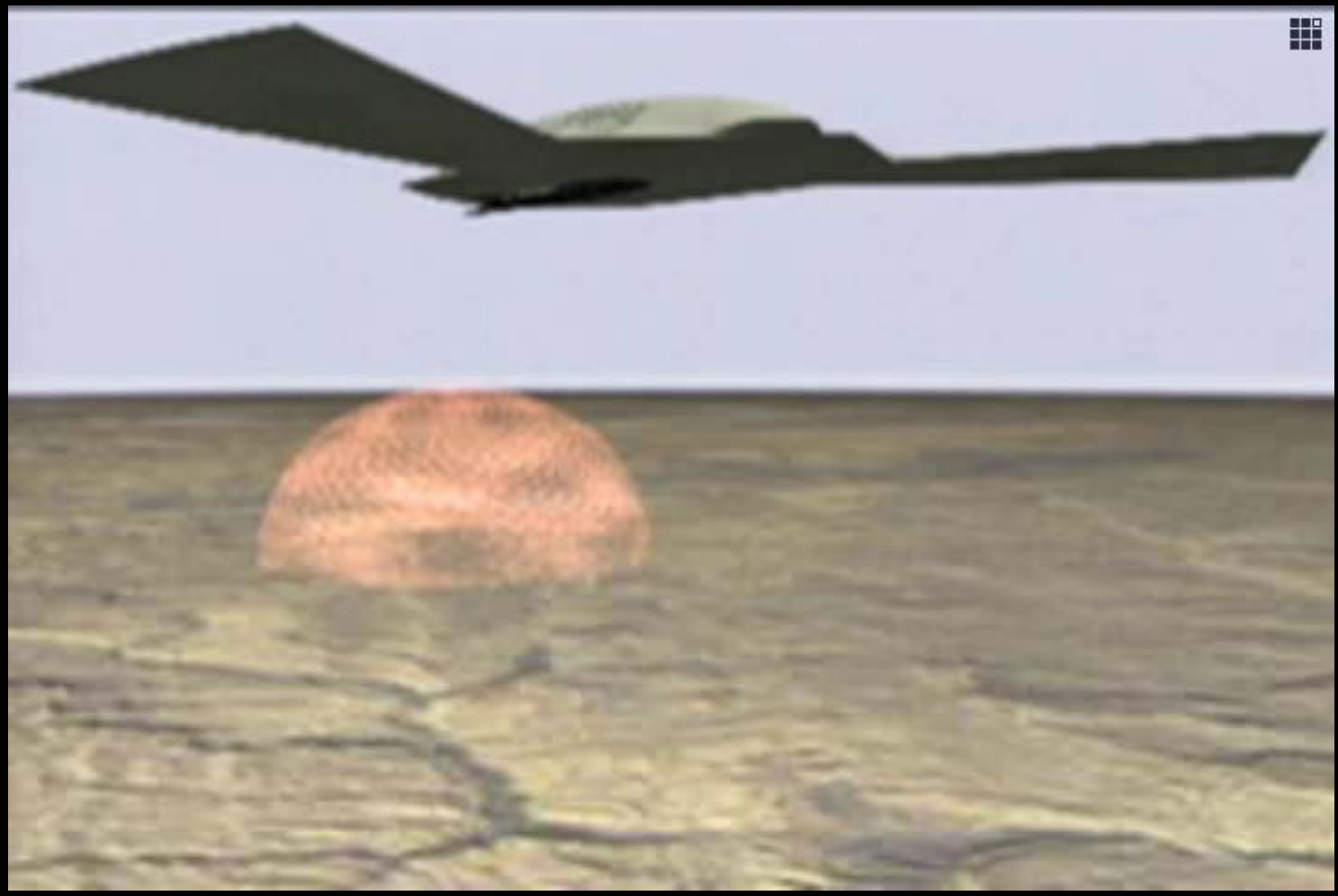

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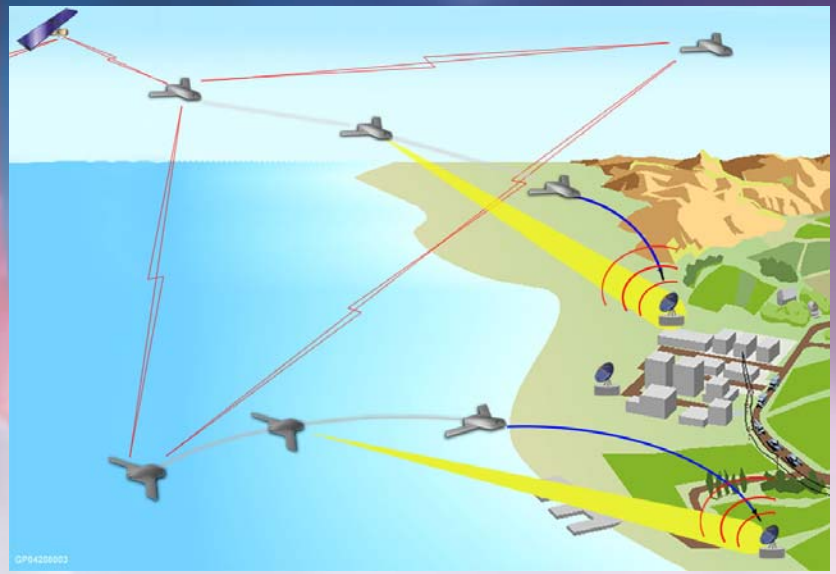
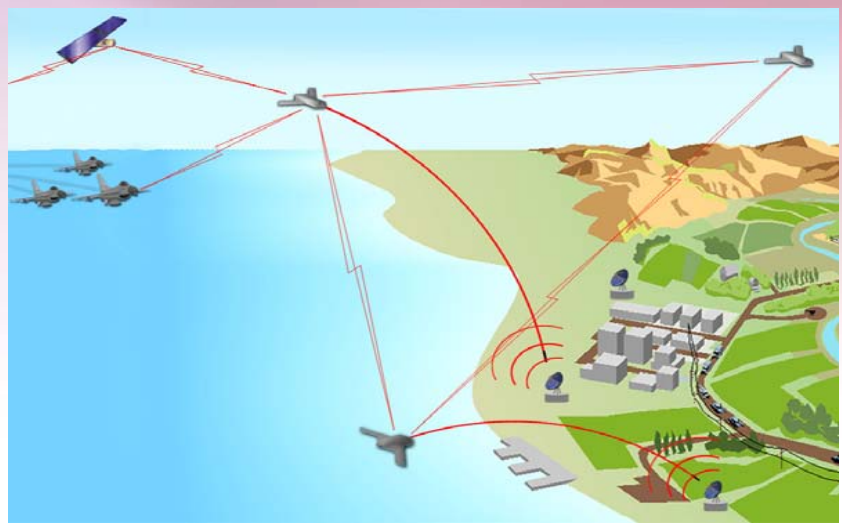
# UOS Primary Mission Set



**Focus is on Preemptive & Reactive SEAD**



**Required Functions**

- Find
- Fix
- Track
- Target
- Attack
- Assess

*UCAV X-45*

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lb2991.avi Video

From 6:09-6:44

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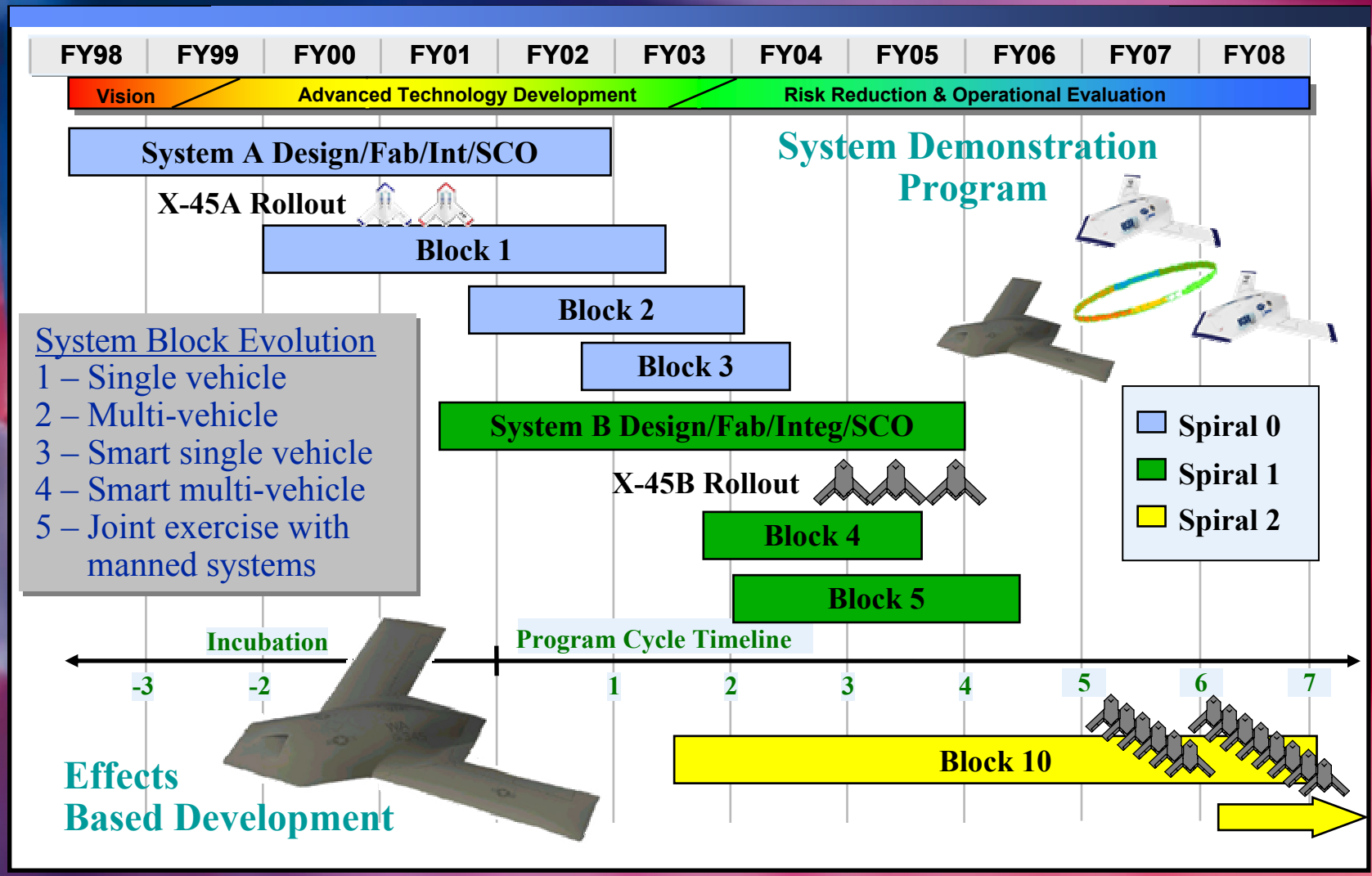
# UCAV Path to Combat Ops

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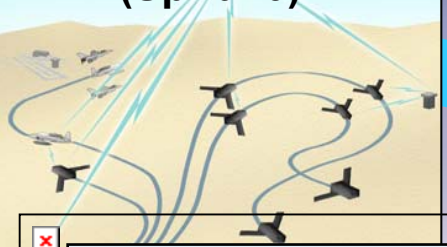
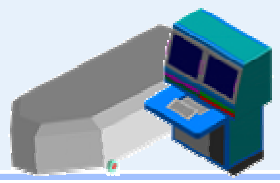
# One Program – Four Main Thrusts

**X-45A Check-Out**
**(Spiral 0)**

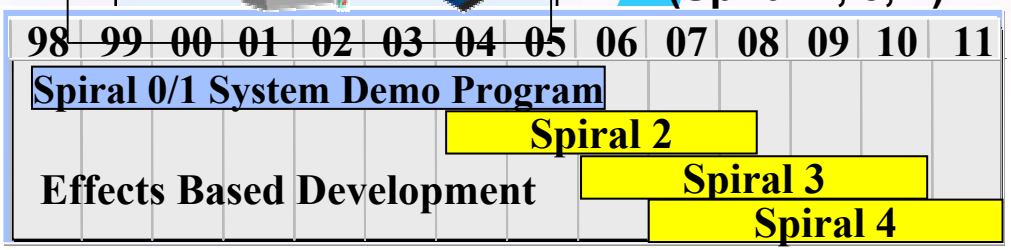
**Critical Demos**
**(Spiral 0)**



**X-45B**
**(Spiral 1)**



**Acquisition Planning**
**(Spiral 2, 3,...)**




***Demonstrate UCAV technical feasibility, military utility and operational value***

***Rapidly field capabilities to support Warfighter's incremental CONOPS***



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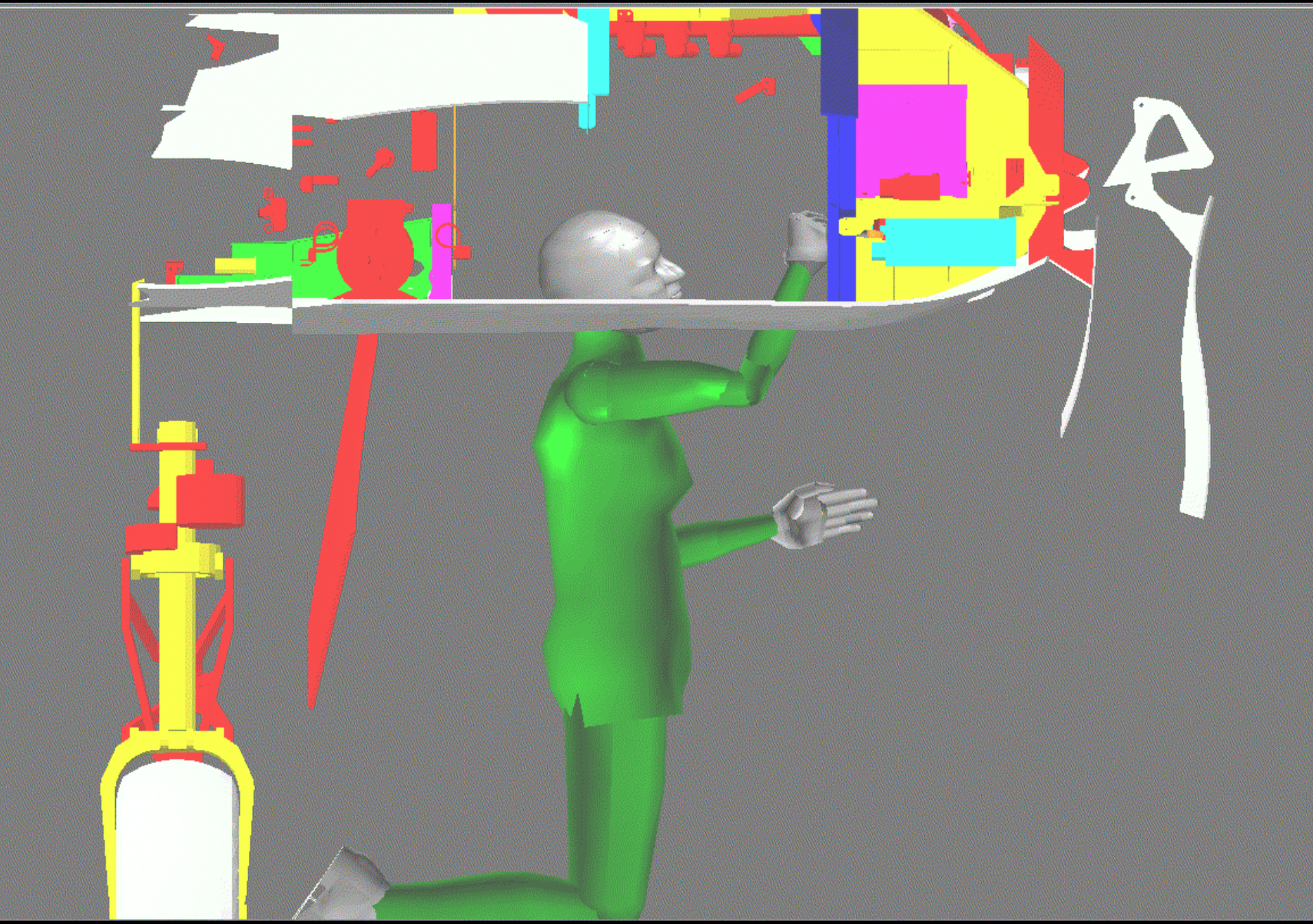

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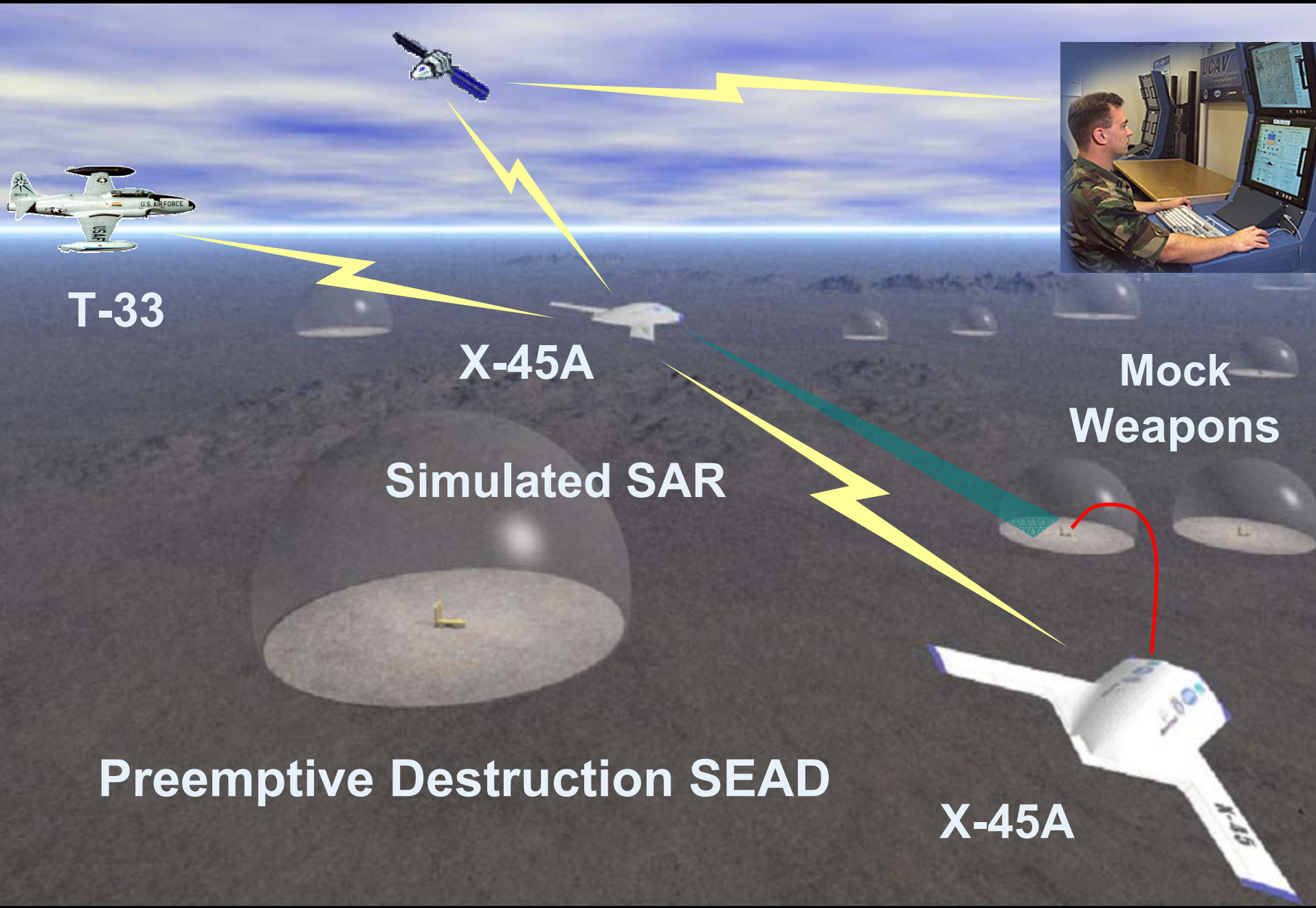
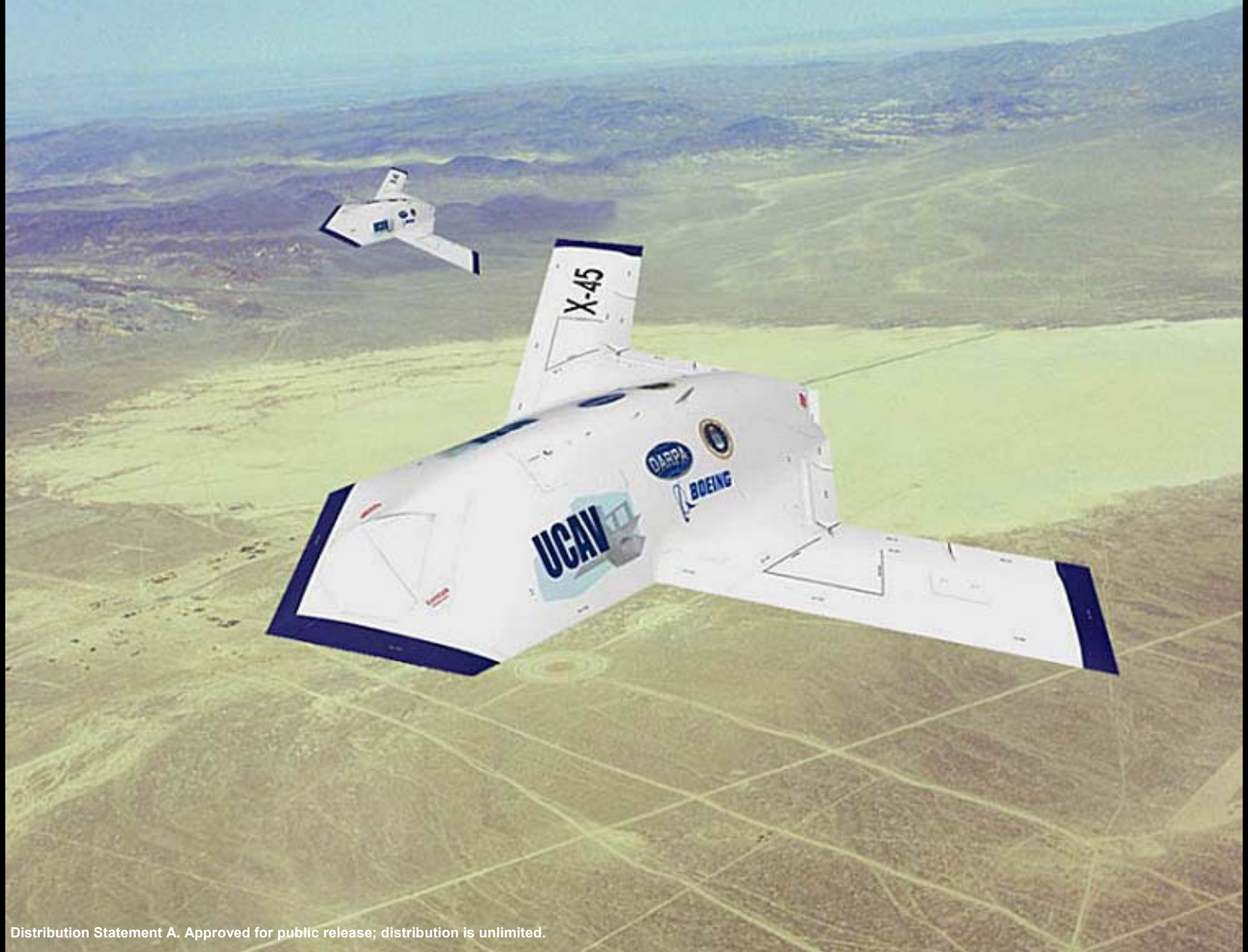

T-33
X-45A
Mock
Weapons
Simulated SAR
Preemptive Destruction SEAD
X-45A

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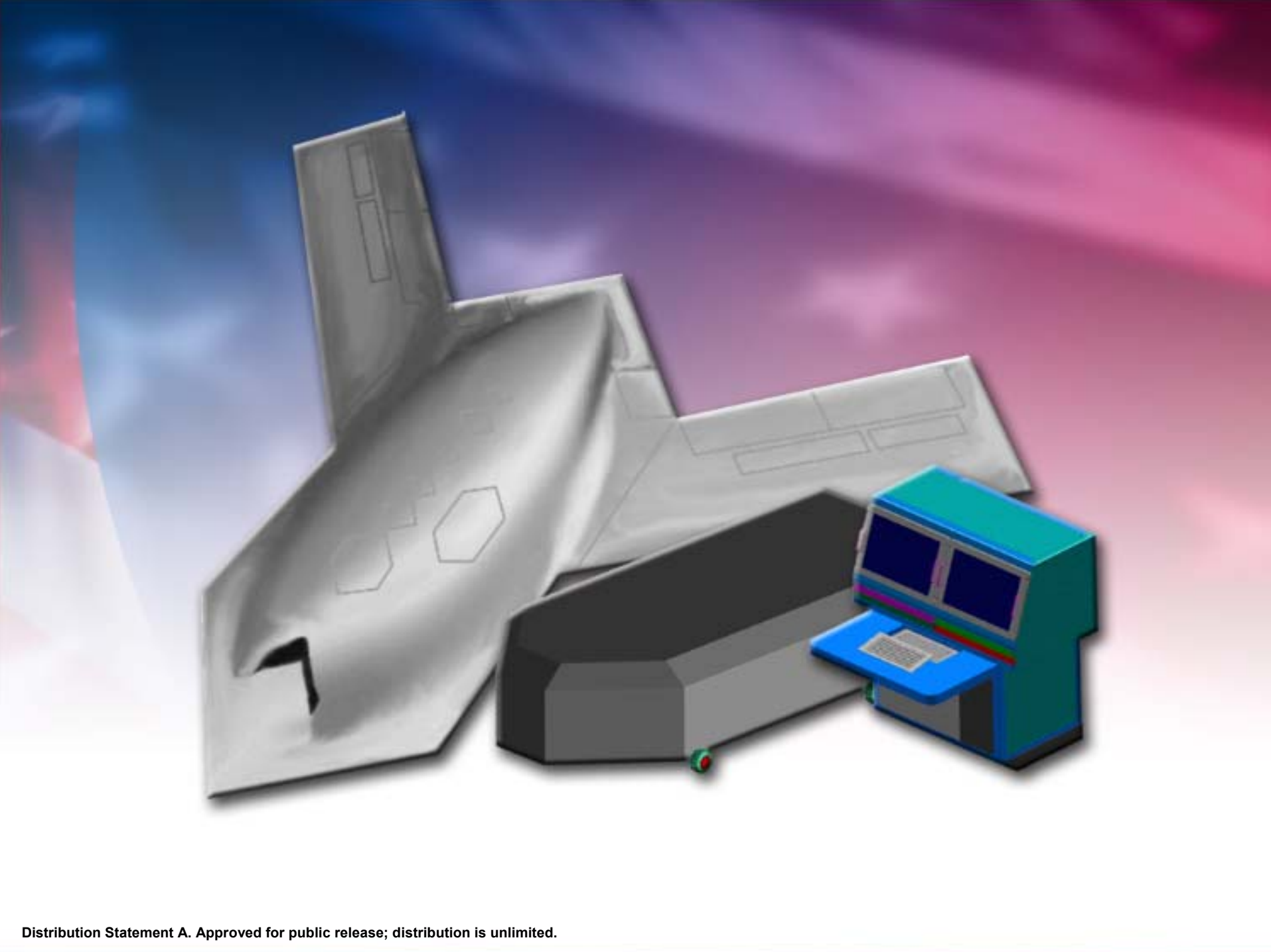

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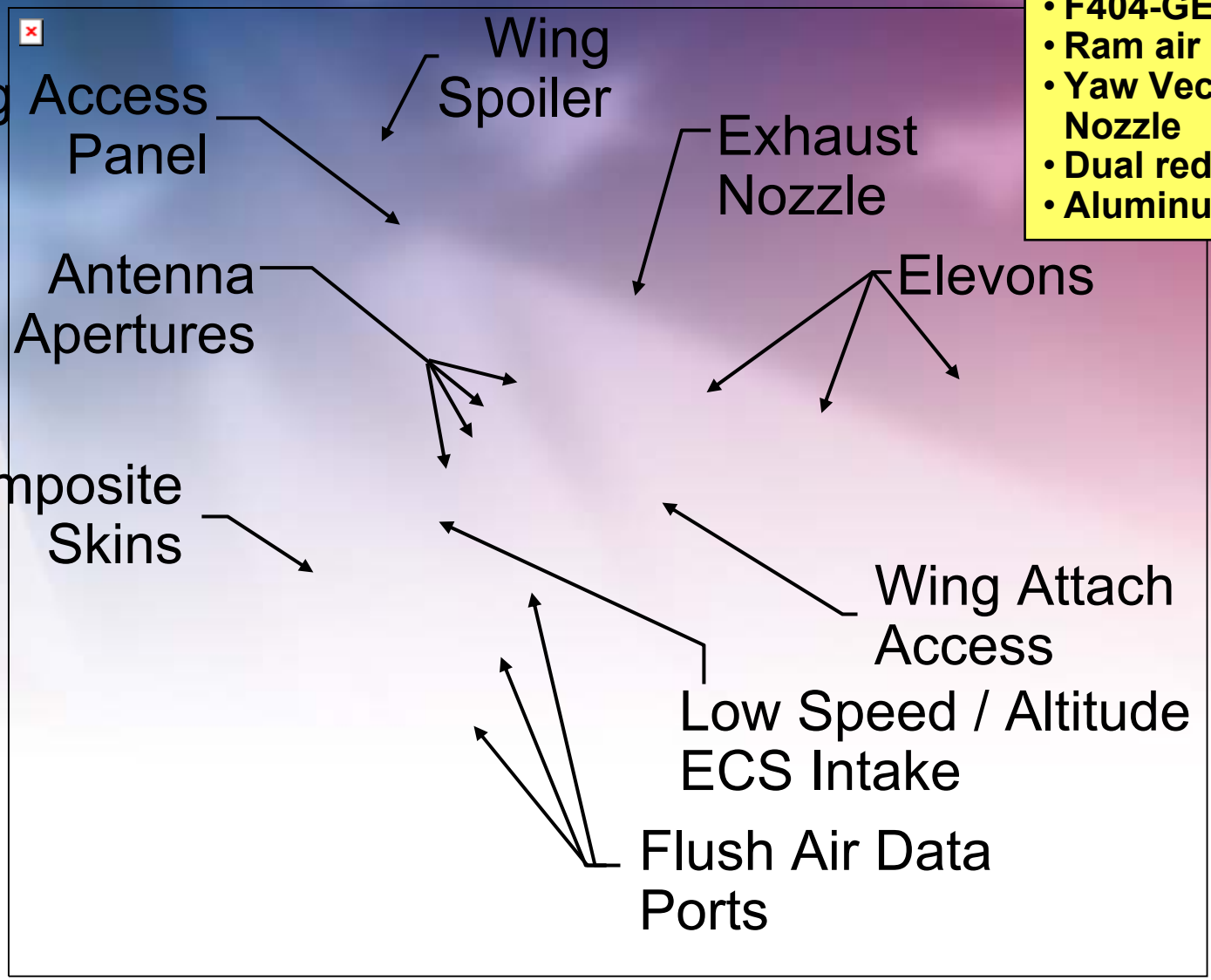
# X-45B Configuration

- F404-GE-102D engine
- Ram air ECS
- Yaw Vectoring Exhaust Nozzle
- Dual redundant VMSCs
- Aluminum substructure



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