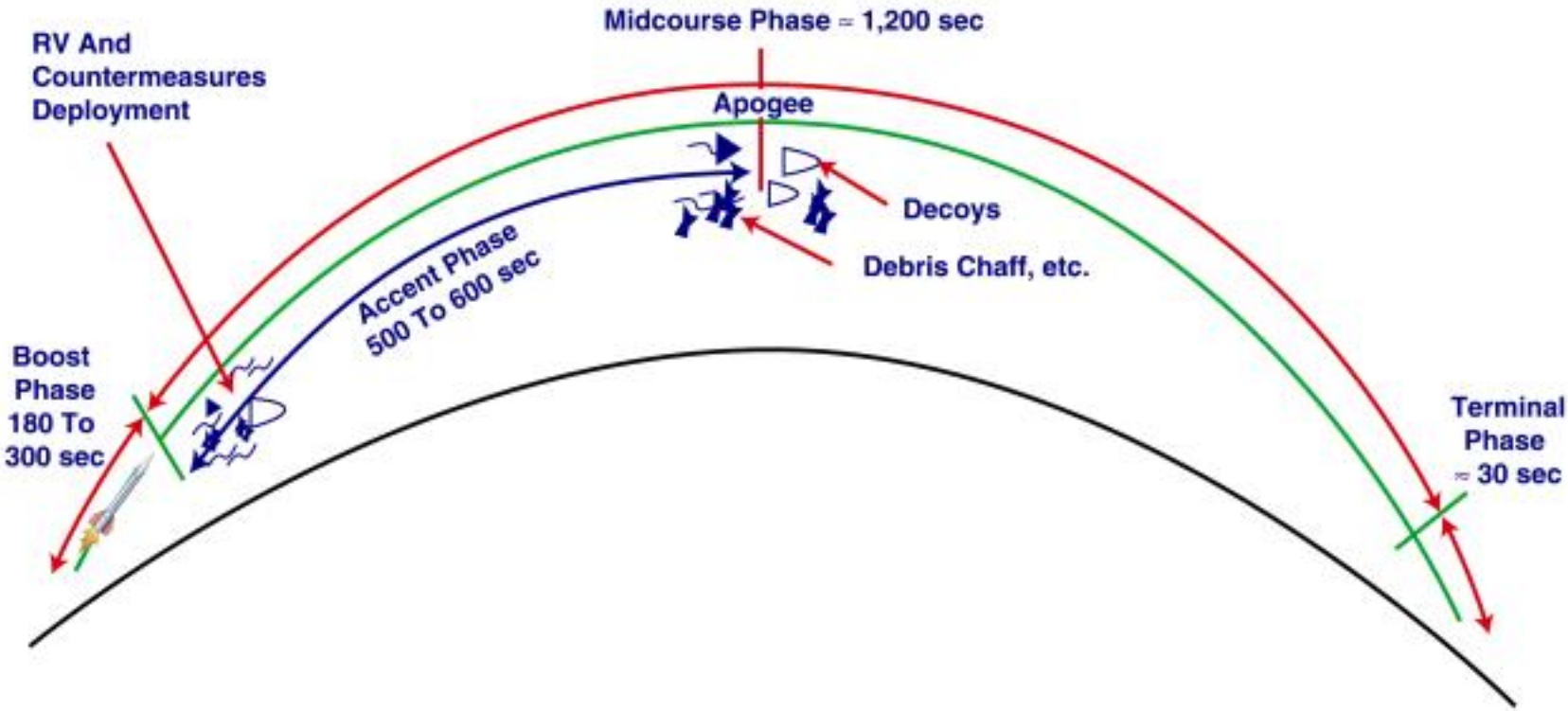
Integrated Flight Test (IFT) 7 Test Overview

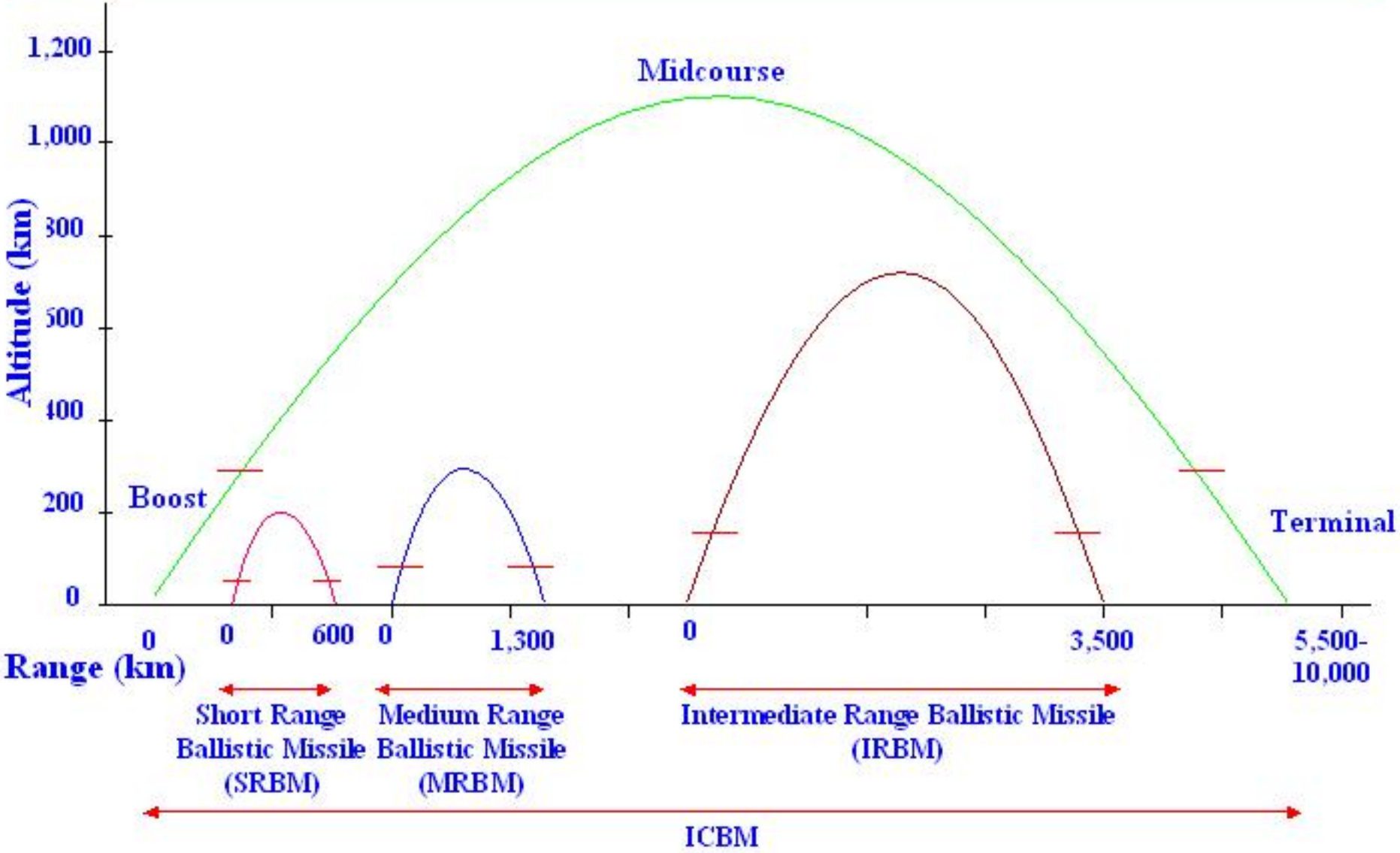
November 30, 2001

Lt Gen Ronald T. Kadish, USAF
Director
Ballistic Missile Defense Organization

ENGAGEMENT PHASES



THE BALLISTIC MISSILE CHALLENGE



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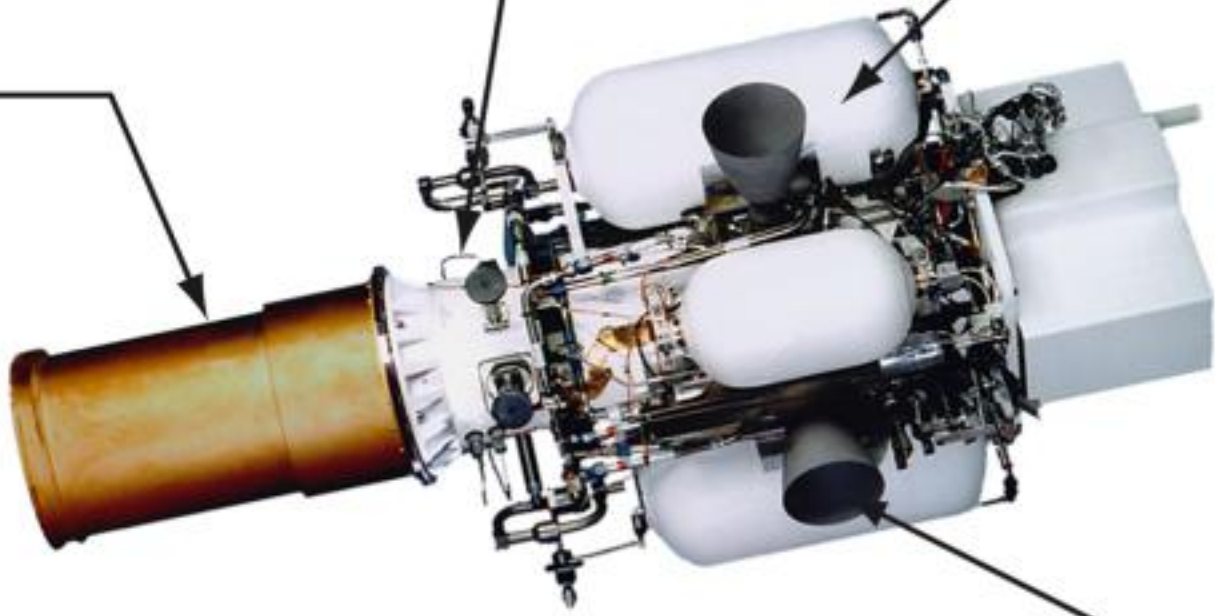
INTEGRATED FLIGHT TEST 7 OBJECTIVES

- Demonstrate Element Integration and Functionality at the System Level
- Demonstrate Sensor Operations (Satellites and Radars)
- Demonstrate Battle Management, Command, Control & Computer Operations
- Demonstrate Kill Vehicle (KV) Performance and Hit-To-Kill Technology

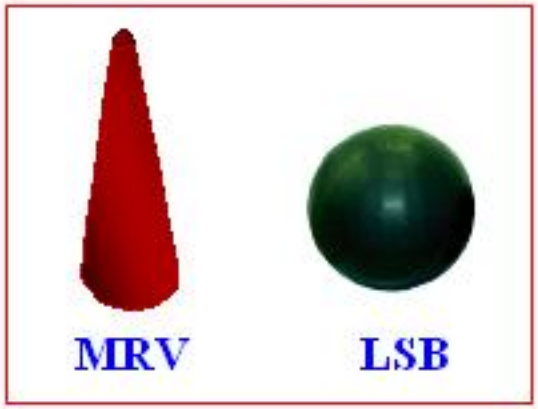
EXOATMOSPHERIC KILL VEHICLE



Length	~ 55 in.
Diameter	~ 23 in.
Weight	~ 144 lbs

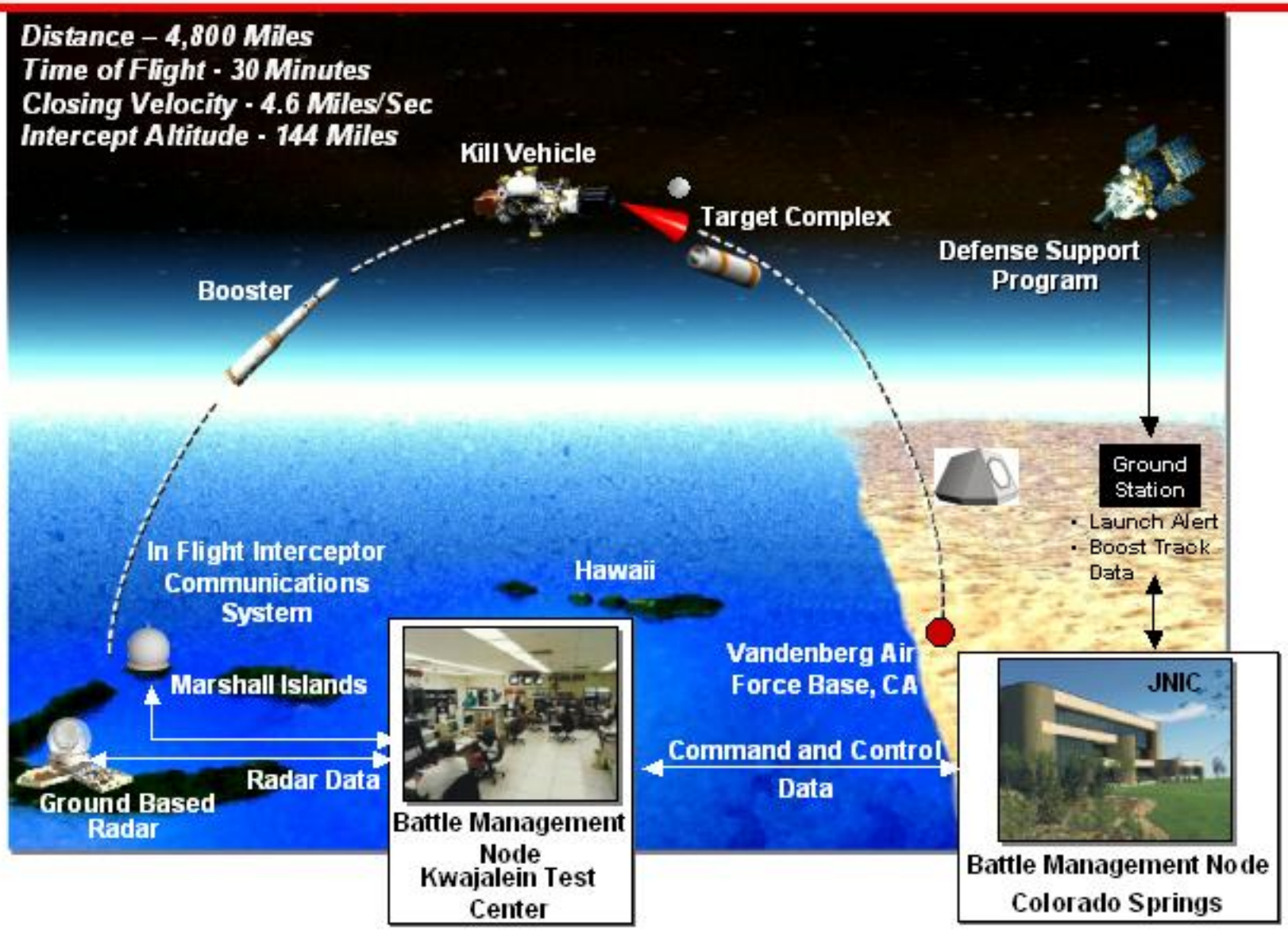
IFT-7 TARGETS

- Launch Vehicle Is Three Stage Minuteman II
- Launched From Vandenberg AFB, Calif.

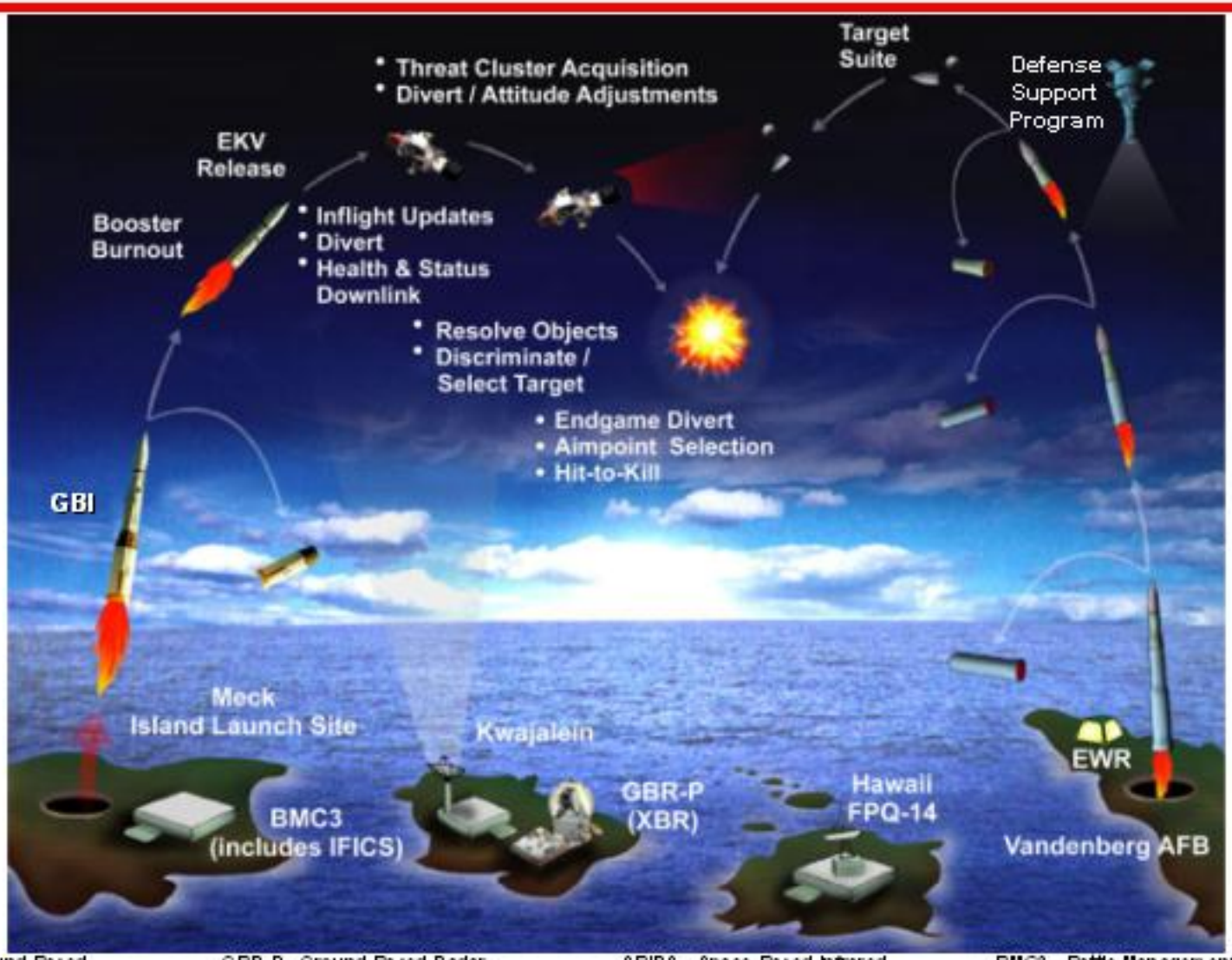


- Same Payload Objects (Mock Warhead/Decoy) As IFT-6 in July 2001

INTEGRATED FLIGHT TEST - 7



TEST PROGRAM MISSION SEQUENCE



GBI – Ground Based Interceptor
XBR – X-Band Radar

GBR-P – Ground Based Radar (prototype)
EWR – Early Warning Radar

SBIRS – Space Based Infrared System
EKV – Exoatmospheric Kill Vehicle

BMC3 – Battle Management Command, Control & Communication

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DIFFERENCES

- IFT-7 is Very Similar to IFT-6
- Missions Use Different Target Launch Vehicles

IFT-6
Multi-Service Launch System

IFT-7
Orbital Sub-Orbital Program