



FTG-05 Mission Overview



• Primary Test Objective

- Within operationally representative Ballistic Missile Defense System integrated sensor framework, engage a target launched from Kodiak with a Ground-Based Interceptor launched from Vandenberg Air Force Base
 - Perform track and discrimination
 - Intercept targets armed with countermeasures

• Secondary Test Objective

- Simulate Aegis Ballistic Missile Defense Standard Missile-3 launch-on capability with a forward-based radar (AN/TPY-2)
 - Next Aegis Ballistic Missile Defense flight test (FTM-15) will demonstrate this capability



FTG-05 Asset Configuration

First Test of End-to-End Defense of North Korea Capability



First Time Functionality

- ✓ 1st flight intercept with fused sensor data
- ✗ Countermeasures observed by integrated sensor network
- ✓ Operationally realistic search fence configuration – no backup fences
- ✓ Operational SBX configuration software
- ✓ 1st use of second In Flight Interceptor Communications System data terminal at VAFB
- ✓ Largest operator involvement and most complex multi-sensor/shooter event to date

Designed as an Operationally Realistic Scenario



2007-2009 GMD Testing

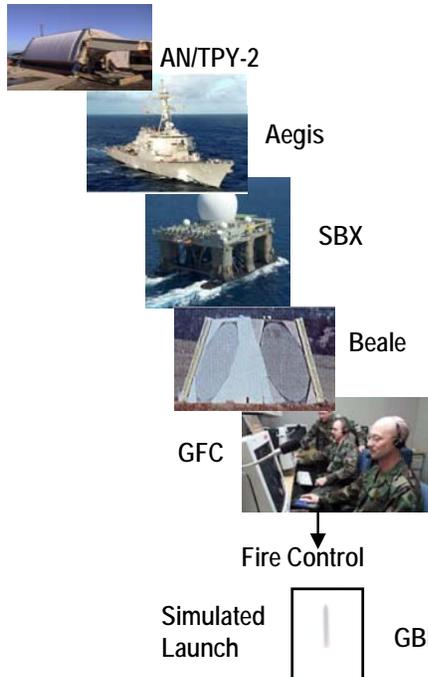


✓ Live intercept against target using multiple integrated sensors

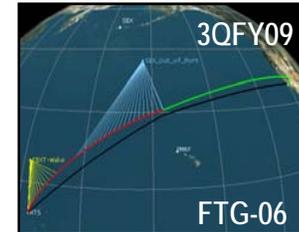
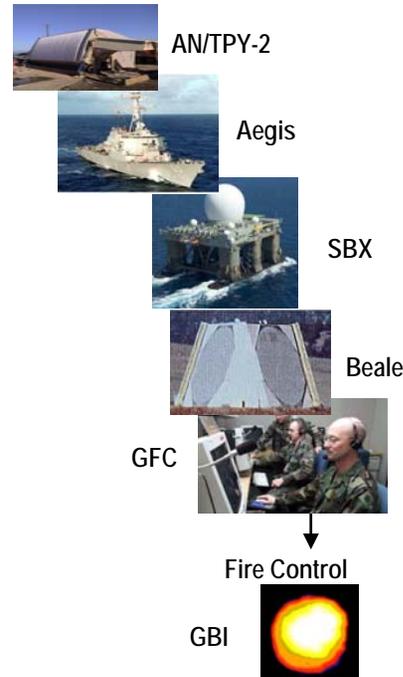


Simulated intercept against target with complex countermeasures using multiple integrated sensors

- ✓ Weapons task plan generated
- ✓ Target fell short
- ✓ Countermeasures did not deploy



Live intercept against target with simple countermeasures using multiple integrated sensors



- Live intercept against target with simple countermeasures from Reagan Test Site using GBI from VAFB
- Launch on AN/TPY-2
- Engage on SBX

