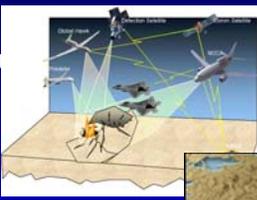# Predictive Battlespace Awareness

ISR Employment

- **Full-spectrum ISR focused by PBA, and networked into command and control of forces to:**
  - **Find and re-detect potential targets more quickly**
  - **Horizontal – Vertical integration cross-cue assets to precisely geo-locate targets**
  - **Support operational-level decision making and trigger *F2T2EA execution cycle**
  - **Kill targets**

*Find, Fix, Track, Target, Engage, Assess

Target System Analysis

- **Systems Analysis**
  - **Identify target systems**
  - **Identify areas where target systems overlap**
  - **Determine system vulnerabilities**
- **Target Development**
  - **Examine individual components**
  - **Determine vulnerability**
  - **Weaponeer for desired effect**
- **Combat Assessment**
  - **Mission Assessment**
  - **Battle Damage Assessment**
  - **Munitions Effectiveness Assessment**
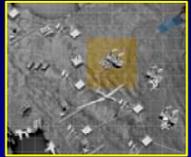 - **"What kind of a job did we do / what's next?"**

PREDICTIVE BATTLESPACE AWARENESS Framework

Target Systems Analysis	Intel Prep of the Battlespace	ISR Strategy and Planning	ISR Employment
Target Analysis	Priority Intel Requirements	ISR Strategy	C2 of ISR
Systems Analysis	Centers of Gravity	Integrated ISR Plan	Horizontal / Vertical Integration
Combat Assessment	Named Areas of Interest	Synchronize Collection to Requirements	Target Acquisition
Database Validation	Adversary COA		TPED

- Baseline the battlespace
- Focus integrated ISR
- Move from collection to targeting
- Confirmation, not discovery
- Refine the science of prediction… include Information Operations
- D-365 in the AOR

ISR Strategy & Planning

- **JFC / JFACC objectives *(targeting and ISR emphasis)***
- **Command relationships - ISR lanes in the road**
- **Manage ISR requirements**
- **Coordinate national / component / coalition ISR assets**
- **ISR force structure / deployment timelines / beddown**
- **Integration of ISR and combat operations**
- **Requirement for SIGINT/IMINT/MTI/Video support -- 24 hour persistence and mission specific**
- **Cueing / Redundancy / Mix / Integration**
- **Risk assessment**
- **Weather factors**
- **Manage TPED activities and track ISR results**

Intelligence Preparation of the Battlespace (IPB)

1 Define the Battlespace Environment — Focus & Scope
- Analyze Mission
- ID limits of the operating area
- ID Initial PIRs
- ID info. gaps

2 Describe the Battlespace Effects — Influences
- Analyze battlespace factors
- Effects on Broad Friendly/Adversary COAs

4 Determine Adversary Courses of Action — Integration
- Adversary COAs
- ISR Requirements
- Refined PIRs

3 Evaluate the Adversary — Modeling
- Determine COGS
- Create adversary models
- ID High Value Targets (HVT)

ANALYSIS
FEEDBACK