Agenda

- Background & Scope
- Definitions
- ASB Concept Overview
- ASB Central Idea:
  - Networked, Integrated, Attack-in-Depth to Disrupt, Destroy, Defeat (NIA-D3)
- Technology Development
- Way Ahead
Background & Scope

- Task originated with SecDef – Followed-up with QDR and other documents / speeches
- An *Initiating Concept*
- A Limited Objective Concept
  - Enables concurrent or follow-on operations
  - Adaptable to all potential adversaries
    - Advanced State Actors
    - Regional Non-State Actors
- DOTMLPF actions derived
- Concept Implementation to be done:
  - Force Development
  - Planning and Execution of Operations
- ASB requires change on three levels:
  - Institutional / Conceptual / Materiel
Anti-Access/Area Denial (A2/AD)

- Anti-Access:
  - Action aimed to slow movement into theater or cause operations from distances farther than desired

- Area Denial:
  - Action intended to impede ability to maneuver within the theater
ASB Concept Overview

- Creates maximum operational advantage for DAF, DA & DON forces to address A2/AD challenges
- Framework for a tailorable portfolio of capabilities to deter and, if necessary, to defeat an A2/AD adversary
**Enemy A2/AD Strategy & Capabilities**

**Result:** Gain decision advantage

**Result:** Regain freedom of action

**Result:** Sustain offensive operations

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**Networked:** C2 of Cross-Domain Operations; enhanced level of command and control

**Integrated:** Air and naval capabilities tailored to missions or operations

**Attack In-Depth:** Project forces through denied space zones

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- **Lower-Signature Forces (LSF):** Forces that exploit specific U.S. capability advantages to conduct ISR and deliver precision effects in denied areas with a low probability of detection.

- **Higher-Signature Forces (HSF):** Forces that provide the bulk of U.S. power projection.

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LOE 1: *Disrupt C4ISR networks*

LOE 2: *Destroy enemy capabilities*

LOE 3: *Defeat enemy employed weapons*
Networked, Integrated, Attack-in-Depth

**Networked** – Managing and controlling Cross-Domain Operations
- Physical networks: Mission-Assurance focused
- Human networks: Mission-type command

**Integrated** – Capabilities combined for specific missions or operations
- Interoperability
- Common training
- Create familiarity via habitual relationships

**Attack-in-depth** – Attack critical vulnerabilities wherever required
- Timely, offensive action to gain or maintain initiative
- Deploy and fight versus deploy then fight
- Task-organized for the mission and risk

U.S. Will Employ a Lethal Fighting Force That is Together Greater Than the Sum of Its Parts
D3 Lines of Effort

- **LOE 1: Disrupt adversary C4ISR**
  - Intent: Attack the left side of the effects chains
  - Example: Physical attack, CNA, EA, deception, and dispersion
  - Result: Gain decision advantage

- **LOE 2: Destroy adversary platforms and weapons systems**
  - Intent: Neutralize threatening systems in range of coalition forces
  - Example: Physical attack to destroy specific capabilities
  - Result: Regain freedom of action

- **LOE 3: Defeat adversary employed weapons**
  - Intent: Defend forces in order to preserve offensive/defensive power
  - Example: Kinetic/non-kinetic; Reversible/non-reversible defense
  - Result: Sustain offensive operations

LOEs Executed Simultaneously or Sequentially … In Any Needed Order
ASB Applied
Technology Support to ASB

- Technology Must Support Key ASB Principles:
  - Networked
  - Integrated
  - Cross Domain
  - Multi-Pathing
  - Data Sharing
  - Preserve and/or Create Joint Operational Advantage
Areas for Development

Areas for technology development to support ASB:

- Long Range Strike / Stand-Off Capabilities
- Data Links
- Communications
- Sensors
- Cyber Connectivity & Increased Bandwidth
- Space
  - Space-Based Infrared
  - Extremely-High Frequency & GPS-III satellite systems
- Low Observable (LO) Technology
- Remote Piloted Vehicles
**Institutional**: Industry “best operating practices” can help drive DoD institutional change

**Conceptual**: Industry alignment with this new concept better supports DoD’s future vector

**Materiel**: ASB calls for overlap where needed but with a shared investment strategy
Air-Sea Battle & Technology Development

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