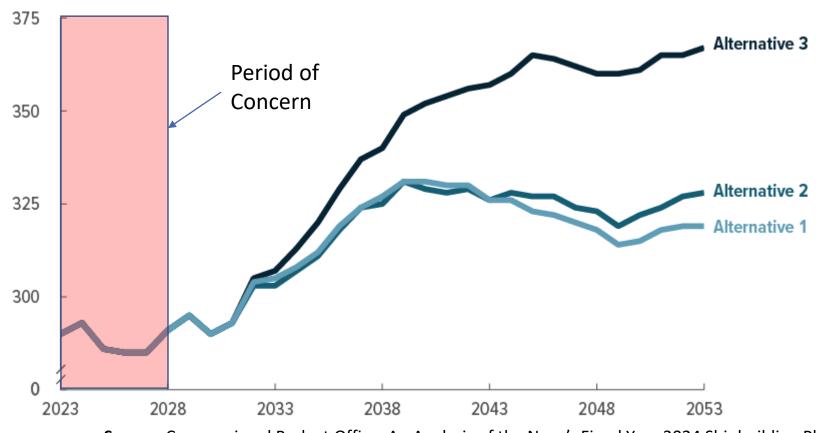


Lethality and Capability at the Speed of Relevance

"We will put more players on the field—platforms that are ready with the right capabilities, weapons, and sustainment." - ADM Lisa Franchetti, Chief of Naval Operations

We Will Not Put More Players on the Field in the Next Decade

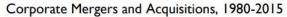


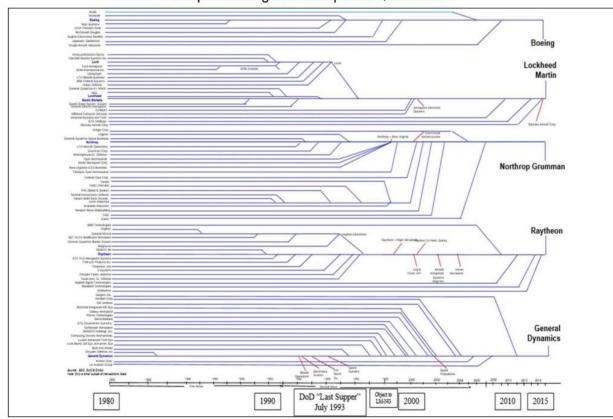
The number of battle force ships would decline over the next 10 years under all three alternatives in the Navy's shipbuilding plan. By 2053, the number of those ships would increase from 290 today to 319 under Alternative 1, 328 under Alternative 2, and 367 under Alternative 3

Source: Congressional Budget Office, An Analysis of the Navy's Fiscal Year 2024 Shipbuilding Plan, October 2023

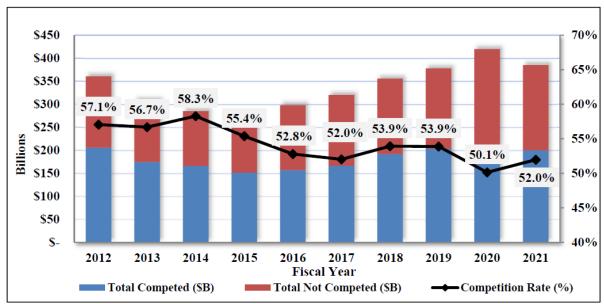
To increase the number of players on the field, we need to improve the combat capability of ships in the fleet now.

Shrinking Defense Industrial Base – Less Competition





Source: Graphic from DOD, "State of Competition within the Defense Industrial Base," February 2022, https://media.defense.gov/2022/feb/15/2002939087/-1/-1/1/state-of-competition-within-the-defense-industrial-



Note: Dollars shown in billions

Figure 1: Ten-year trend for DoD competitive and non-competitive dollars

Expanding the industrial base requires lowering barriers for non-traditional companies to participate in the defense ecosystem.

Delivering capability to the warfighter faster requires:

A tighter linkage between the warfighter and the developer

A culture of continuous experimentation looking for better solutions we can push to the warfighter The removal of barriers to allow capability to "flow" to the warfighter faster

This effort begins with a technical foundation for rapid capability delivery.

Challenges with Current Combat Systems





- Platform-based
- Tightly coupled architecture
 - Weapons system to ship
 - Software to hardware
- Superbly effective, but cannot rapidly evolve
- Difficult to integrate new sensors and weapons



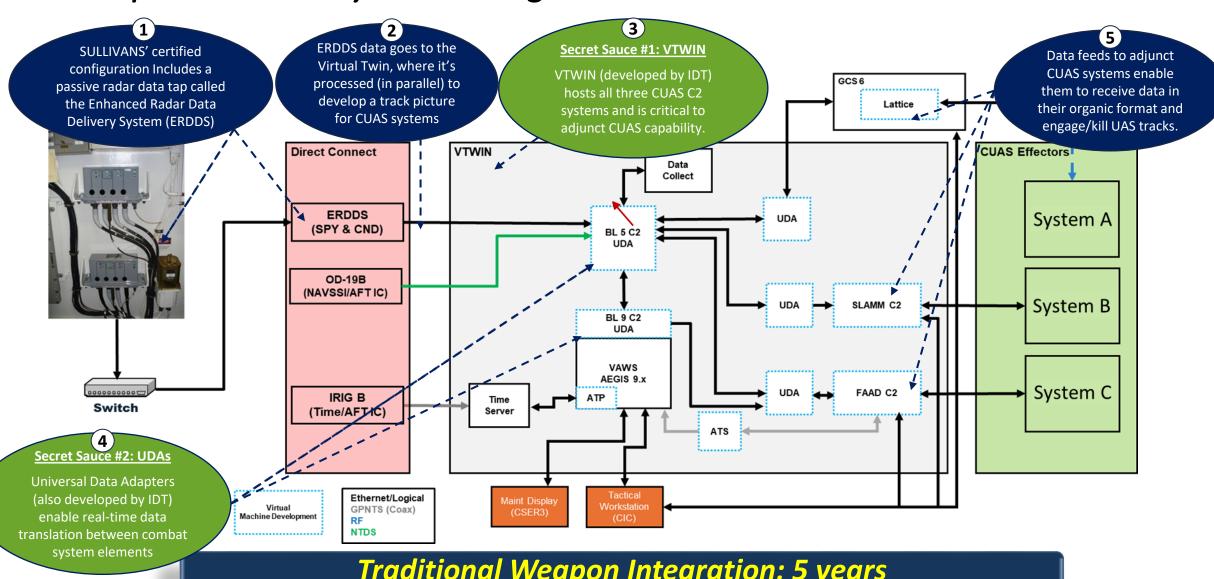


Rapidly increasing combat capability requires a new approach – looser linkages between platform and combat system and standard interfaces to allow rapid adaptation.

Virtualized Combat Systems Enable Rapid Delivery



Rapid Combat System Integration: Counter-UAS

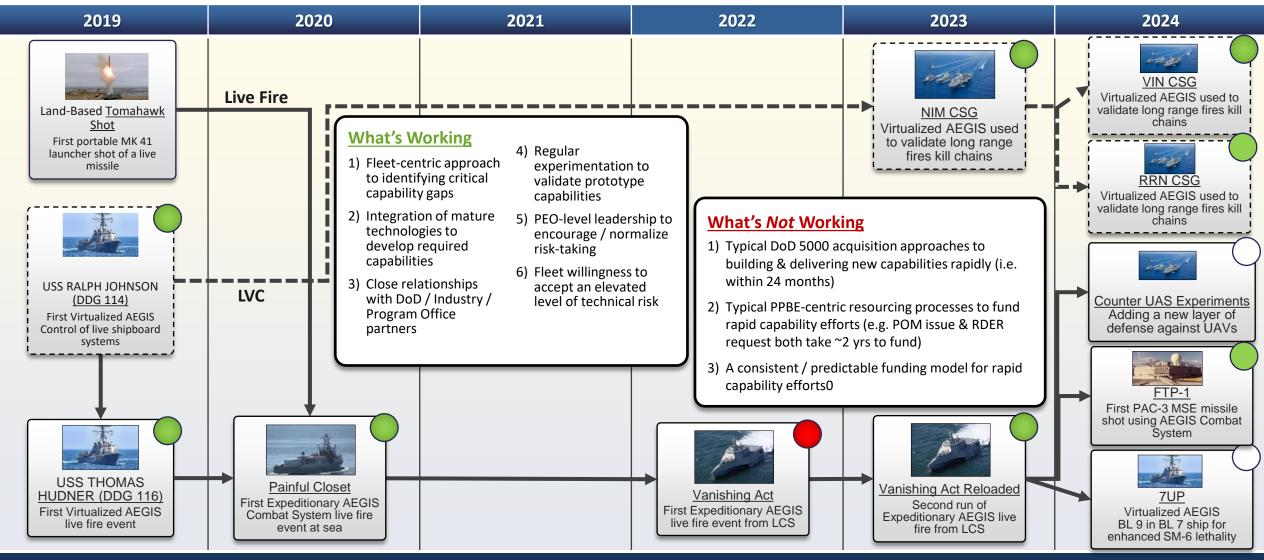


Traditional Weapon Integration: 5 years C-UAS Integration: 5 months

Tighter Linkage with the Fleet

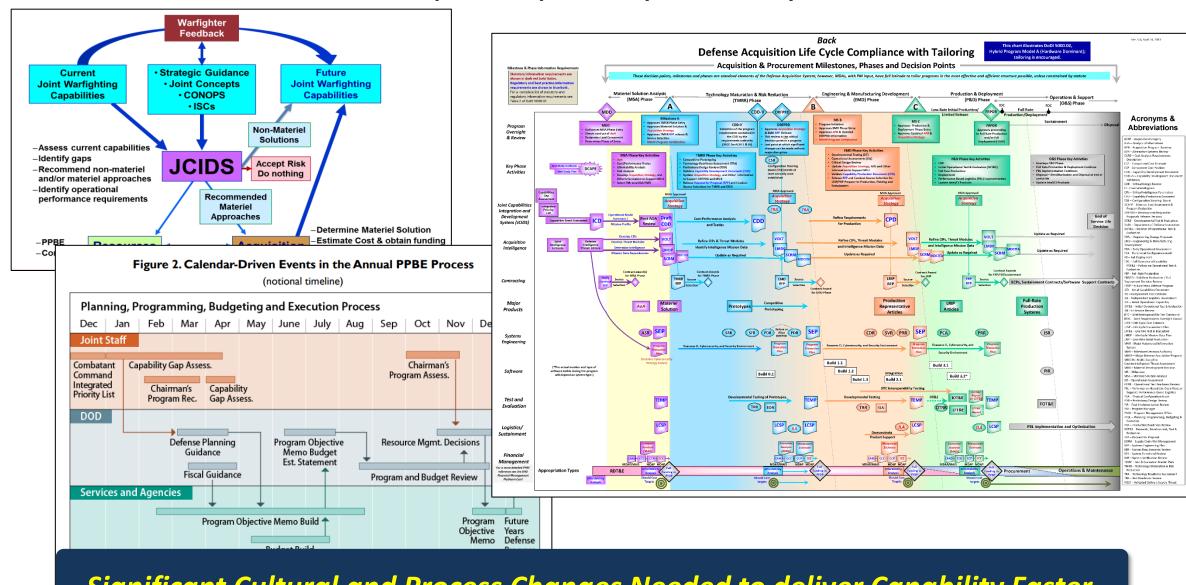


Finding Solutions Through Continuous Experimentation



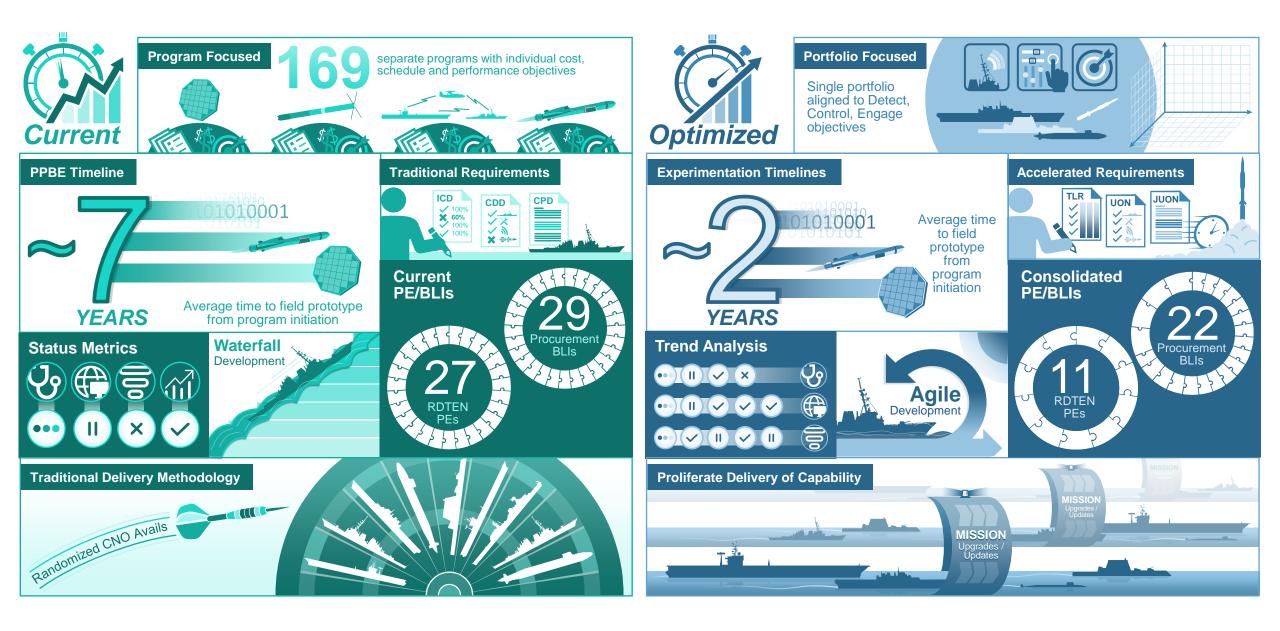
Successful Capability Efforts Inform Future Capability Development

Remove Barriers to Rapid Capability Delivery



Significant Cultural and Process Changes Needed to deliver Capability Faster.

Portfolio Management Concept



Implications

To deliver capability faster, we must:

- 1. Make required technical improvements to enable faster delivery
- 2. Change the way we do business across the acquisition cycle to improve speed
- 3. Cultivate close relationships with requirements and budget folks transparency creates trust
- 4. Grow the industrial base to provide more competition, which drives greater innovation and affordability

Help We're Looking For

- We are looking for innovative companies who are interested in applying their talents to hard defense problems and grow the defense industrial base
- We'd love to hear about your experiences in changing a bureaucratic and stovepiped organization to one that is more nimble and responsive
- Please talk to and mentor talented young people about considering a career in public service (in uniform or out)