

Weapon Systems Acquisition: Progress and Challenges on GAO's High Risk List

AIR FORCE AND SPACE FORCE

ARMY

JOINT DOD

NAVY AND MARINE CORPS







Precision Strike Missile F-15EX

Source: Lockheed Martin, U.S. Air Force, and BAE, respectively. J GAO-22-105230

Armored Multi-purpose Vehicle

Anne McDonough, Assistant Director
Contracting and National Security Acquisitions



GAO's High Risk List through the Years

2003

United States General Accounting Office GAO January 2003 **High-Risk Series** An Update

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GAO-03-119

Highlights Why Area Is High Risk

GAO

HIGH-RISK SERIES

Department of Defense Weapon Systems

What GAO Found

DDD continues to experience problems in developing and acquiring weapon systems. GAO has consistently found that acquistions take a much longer systems. GAO has consistently found that acquistions take a much longer DDD so overall investment stratege, and sufficiently reducted its brings power. Programs are also at risk because they are moving forward with immuture technologies and/or they are using its edge test as a vehicle for discovering problems that should have been Identified and addressed much called. Such problems were evident, for example, in LAGO a reviews of DOD's Joint Strike Fighter, V-22 aircraft, F-22, and other programs. In

Many of the problems (AAO has uncovered are noded in DOD's environment and its culture. The acquisition process tends to assert pressures on programs to promise more than they can deliver and to past programs and production. The literates competition to get programs approved and production. The literates competition to get programs approved and funded encourages setting requirements that will make the proposed weapon system stand out from others. In addition, DOD officials who exclude the proposed weapon system stand out from others. In addition, DOD officials who called its requirements often aim for the most capability possible, since it may be many years before they get another opportunity to acquire a new weapon system of the same type. This has led to overpromising capabilities and underestimating costs.



2023



High- Risk Series

Efforts Made to Achieve Progress Need to Be Maintained and **Expanded to Fully Address All** Areas

DOD Weapon Systems Acquisition



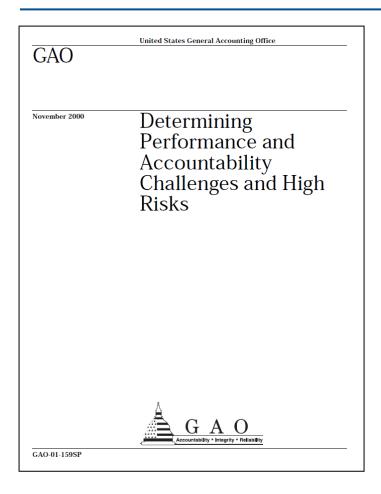
The Department of Defense (DOD) needs to improve oversight of its weapon systems and make better informed investment decisions to ensure the timely delivery of critical capabilities to the

Why Area Is High Risk

DOD is continually challenged to rapidly deliver capabilities to its warfighters in an increasingly innovative and ever-changing global environment. Further, DOD programs are more software driven than ever before and face global cybersecurity threats. As of December 2021, DOD expected to spend more than \$1.9 trillion dollars to acquire weapon systems. It identified the modernization of its weapon systems as critical to the nation's ability to achieve competitive advantage with potential adversaries. Legislation, such as acquisition reforms outlined in the National Defense Authorization Acts for Fiscal Years 2016 and 2017, has prompted DOD to take actions to improve the outcomes of systems that were consistently costing more, taking longer to develop, and performing at lower-than-anticipated levels. We added this area to our High-Risk List



What Defines a High Risk Program?



- GAO's High-Risk Series identifies government operations with vulnerabilities to fraud, waste, abuse, and mismanagement, or in need of transformation.
- Qualitative factors considered include significance of risk to national security and national defense. Quantitative factors include potential risk to at least \$1 billion in major assets, among others.
- GAO's full methodology for identifying challenges that merit a high-risk designation is outlined in a November 2020 report.



What Is GAO Looking For?



LEADERSHIP COMMITMENT

Demonstrated strong commitment and top leadership support.



CAPACITY

Agency has the capacity (i.e., people and resources) to resolve the risk(s).



ACTION PLAN

A corrective action plan exists that defines the root cause and solutions and provides an approach for substantially completing corrective measures, including steps necessary to implement solutions we recommended.



MONITORING

A program has been instituted to monitor and independently validate the effectiveness and sustainability of corrective measures.



DEMONSTRATED PROGRESS

Ability to demonstrate progress in implementing corrective measures and in resolving the high-risk area.



Consistent Themes in 2023 Rating

DOD Weapon Systems Acquisition



Rating changes since last update

No changes.

Criteria still needing attention

Capacity, Action Plan, Monitoring, and Demonstrated Progress



GAO's Methodology Is Evolving to Reflect Key Areas of Risk

- For 2023, we divided the overall high-risk area into four segments:
 - acquisition policy and oversight,
 - software and cybersecurity,
 - defense industrial base, and
 - innovation investments.



Acquisition Policy and Oversight

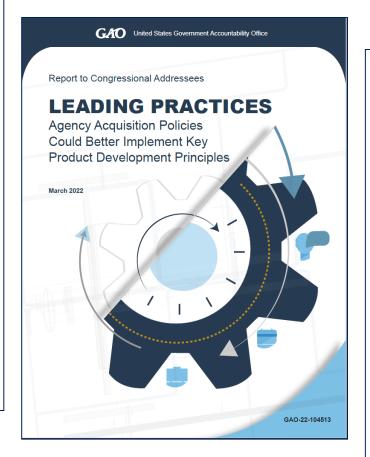
GAO

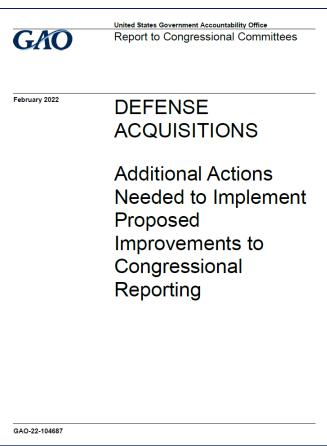
United States Government Accountability Office
Report to the Committee on Armed
Services, House of Representatives

MIDDLE-TIER
DEFENSE
ACQUISITIONS

Rapid Prototyping and Fielding Requires Changes to Oversight and Development Approaches

GAO-23-105008

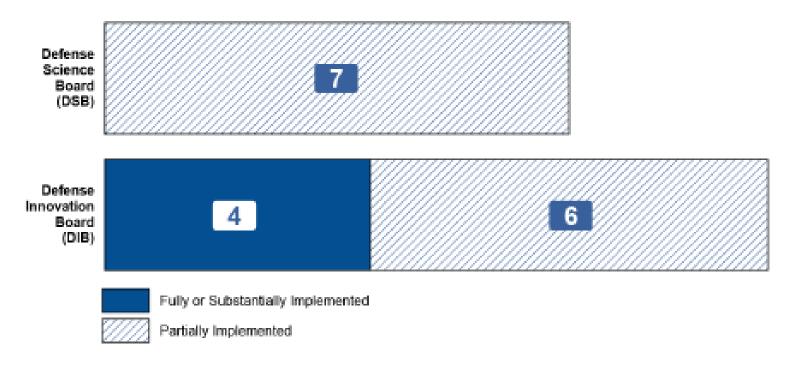






Software and Cybersecurity

DOD Has at Least Partially Implemented All of the DIB and DSB Recommendations



Source: GAO analysis of Department of Defense (DOD) information and interviews with DOD officials. | GAO-23-105611



Defense Industrial Base

Elements Not Fully Addressed in DOD's Industrial Base Strategy



All strategy goals

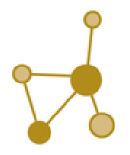
All milestones

Performance measures

Where all resources should be targeted



Information on which organizations are responsible for mitigating specific risks Implementation plans



Source: GAO-04-408T and GAO analysis of Department of Defense (DOD) documents. | GAO-22-104154



Innovation Investments



