



### Trends in the Defense Industrial Base



Office of the Deputy Assistant Secretary of Defense Manufacturing and Industrial Base Policy

March 29<sup>th</sup>, 2017



### Importance of the defense industrial base



"...Our margin of <u>technological superiority is slowly eroding</u>, and addressing this issue <u>is one of our most important strategic tasks</u>, because too great an erosion of our technological superiority would ultimately undermine our conventional deterrence, raise a competitor's incentives for preemption, contribute to crisis instability, and greatly raise the potential cost of any future U.S. military operation."

- Deputy Secretary of Defense, Bob Work

## The defense industrial base is an integral part of our force structure and underpins our technical dominance









## Mission and location of the Office of Manufacturing and Industrial Base Policy (MIBP)



Ensure robust, secure, resilient, and innovative industrial capabilities upon which the Department of Defense can rely to fulfill the Warfighter's current and future requirements



Secretary of Defense



Under Secretary of Defense (Acquisition, Technology, & Logistics)



Deputy Assistant Secretary of Defense (Manufacturing & Industrial Base Policy)

Advanced
Manufacturing
Capabilities

Industrial Base Assessments

Global Markets & Investments

Policy & Industry Outreach
Business Intelligence & Analytics



# The defense industrial base is a key part of DoD force structure, but faces challenges



## There are positive trends in the DIB...

- Profitability high
- Emerging "Reshoring"
- Spirited competition
- Innovation focus
- New DIB and workforce entrants

### ...But significant challenges exist

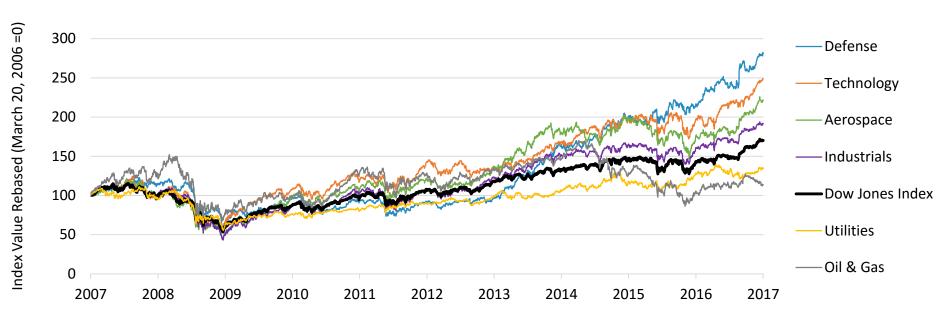
- Defense research & development (R&D) lags
- Fragile industrial base sectors
- Maintaining competition
- Concerning foreign investment trends
- Maintaining workforce



# The A&D sector has outperformed other sectors



#### **A&D Performance Relative to the Broader Dow Jones Index and Other Sector Indices**



Sector/Index	Total Returns		
	1Y	5Y	10Y
Dow Jones Index	27%	63%	70%
Aerospace	44%	102%	121%
Defense	65%	189%	181%
Industrials	30%	84%	91%
Technology	51%	106%	149%
Utilities	7%	45%	34%
Oil & Gas	9%	-13%	14%



35%

196%

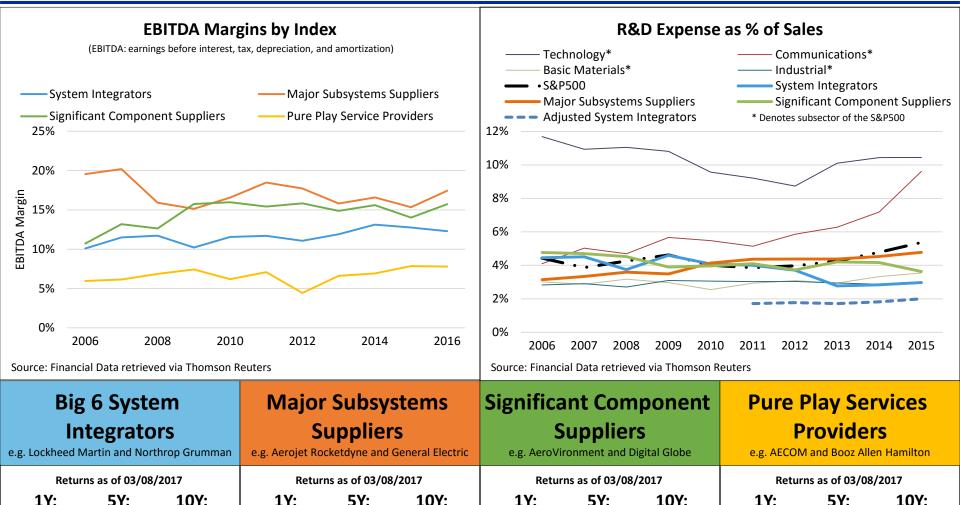
169%

28%

87%

# A&D margins are healthy but R&D spending has lagged





The A&D sector is financially strong, but incentivizing R&D will be key for the future

40%

72%

140%

84%

36%

38%

30%



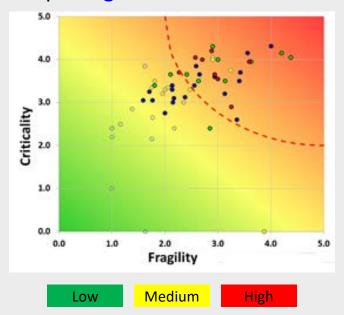
# The Department assesses the defense industrial base by sector



Defense Industrial Base Sectors	Defense Industrial Base Sub-sectors	
Missiles & Munitions	Tactical Missiles	
	Missile Defense	
	Strategic Missiles	
	Conventional Ammunition	
Ground Vehicles	Combat	
	Combat Support	
	Combat Service Support	
Space	Space Launch	
	Satellites	
Aircraft	Fixed Wing	
	Rotary Wing	
	Unmanned Aerial Vehicles	
Shipbuilding	Submarines	
	Aircraft Carriers	
	Surface Vessels	
C4I	Communications	
	Sensors / Radars	
	Microelectronics	

### Fragility and Criticality (FaC) Assessments

- Select the assessment subject and scope
- Develop the FaC matrix
- Identify Risk
- Develop Mitigation





### Data analytics and an innovative workforce are critical to the future defense industrial base





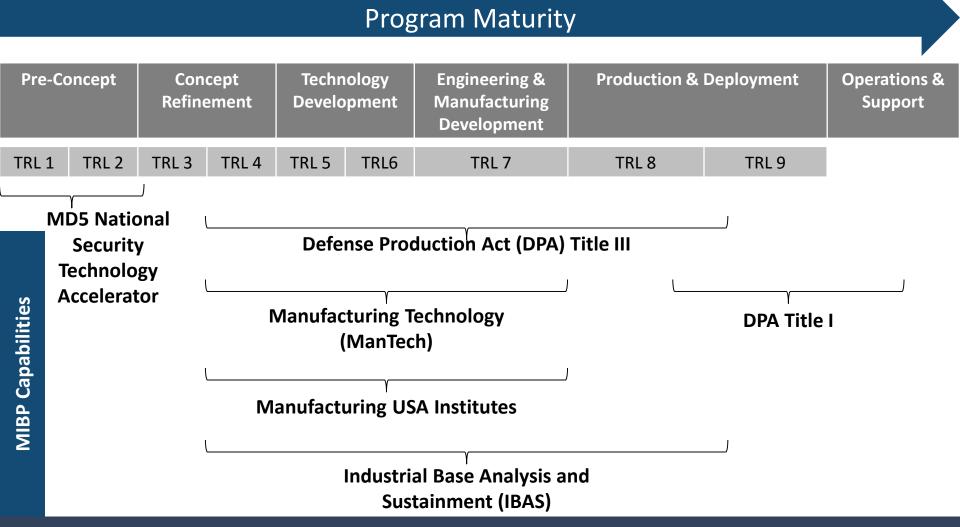
DoD recognizes criticality of A&D talent for a resilient and innovative defense industrial base





# Strengthening DoD manufacturing capabilities across the acquisition life cycle





MIBP manufacturing programs span all technology readiness levels



# Ensuring competition and protecting our most sensitive technologies

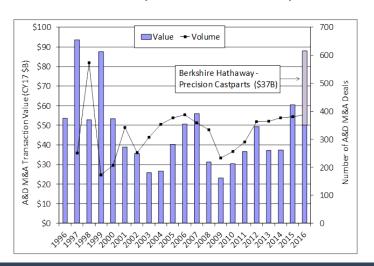


## Mergers and Acquisitions, Joint Ventures, and Strategic Alliance Transactions

#### **U.S.-Based Transactions**

Conduct DoD's M&A analyses and facilitate regulator reviews to protect the Department's interests in:

- national security, competition, and innovation
- global technological leadership
- supply chain effects
- financial stability and stewardship of industry



### **Global Markets & Investments and CFIUS**

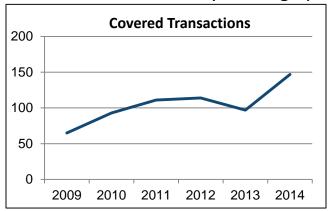
### Foreign Direct Investment

#### **Global Markets & Investments**

- Analyze national security implications of foreign investments in the United States
- Proactively assess global market trends related to the defense industrial base

#### Committee on Foreign Investment in the U.S.

 Review transactions that could result in control of a U.S. business by a foreign person



2014 CFIUS Annual Report to Congress



## MIBP capabilities & programs support the defense industrial base across the DoD acquisition life cycle





Strengthen the industrial base that supports the Warfighter





## Questions?