Introduction
NDIA ETI analyzes DoD research and developmen funding data to help stakeholders throughout the policy, research and engineering, and business communities understand how the government is prioritizing cutting-edge emerging technologies. This paper reviewed Budget Requests and Appropriations data for the following eras: Operation Iraqi Freedom, the Budget Control Act (BCA) of 2011, the Third Offset, the 2018 National Defense Strategy, and the 2022 National Defense Strategy.

| What is S\&T Funding? |  |  |
| :---: | :---: | :---: |
| RDT\&E Budget <br> Activity Name | Description of <br> Funding | FY23 <br> Appropriations |
| Basic Research <br> ("6.1"/"BA1") | Funds <br> fundamental <br> science research | \$2.9B |
| Applied Research <br> ("6.2"/"BA2") | Funds scientific or <br> technical research <br> for a particular <br> military need | \$7.8B |
| Advanced <br> Technology Dev. <br> ("6.3"/"BA3") | Funding for early <br> R\&D on <br> subsystems and <br> components that <br> could become <br> prototypes | \$11.6B |

What is NOT S\&T Funding?

## RDT\&E Budget Activities 4-8

The Defense Health Program
SBIR/STTR
Military Construction
Independent Research and Development (IRAD).


## Conclusions

Overall, while S\&T has grown over the past four years in requested and (especially) appropriated • S\&T funding has been remarkably consistent in real terms since 2000: Approximately funding, the time periods analyzed in this paper do not appear to correlate with significant changes in spending decisions.

- True even while several of eras were characterized by rhetoric regarding defense modernization.
- It is notable that despite pronouncements on the importance of S\&T funding, from DoD throughout the Third Offset and 2018 National Defense Strategy, it appears to have been Congressional actions that push S\&T to dramatically higher levels.
$\$ 14.5$ billion per year from FY2004 to FY2021. $\$ 16$ to $\$ 17$ billion could be a new equilibrium, possibly due to perceived 'rise' of near-peer competitors.
However, the current growth in the level of S\&T spending is unlikely to last if the DoD topline begins to flatten, or if government-wide budget discussions result in a new sequestration mechanism and/or BCA-like era

