



Masterpiece Theater

Delay, Decline, and Missed Opportunities in the Missile Defense Review & the 2020 Budget

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CSIS

CENTER FOR STRATEGIC &
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MISSILE DEFENSE
PROJECT

High Ambitions, Modest Actions

- “The central challenge.” – *National Defense Strategy* (2018)
- “The masterpiece.” – Deputy SECDEF Shanahan (Dec 2017)
- “Detect and destroy any missile launched against the United States—anywhere, anytime, anyplace.”
- “A new era of missile defense” – President Trump (Jan 2019)
- “The scale and urgency of change required...should not be underestimated.”
– *Missile Defense Review* (2019)
- “The history of homeland missile defense also reveals the trend of high ambition followed by increasing modesty.”
– CSIS, *Missile Defense 2020* (2017)



FY2020

Good

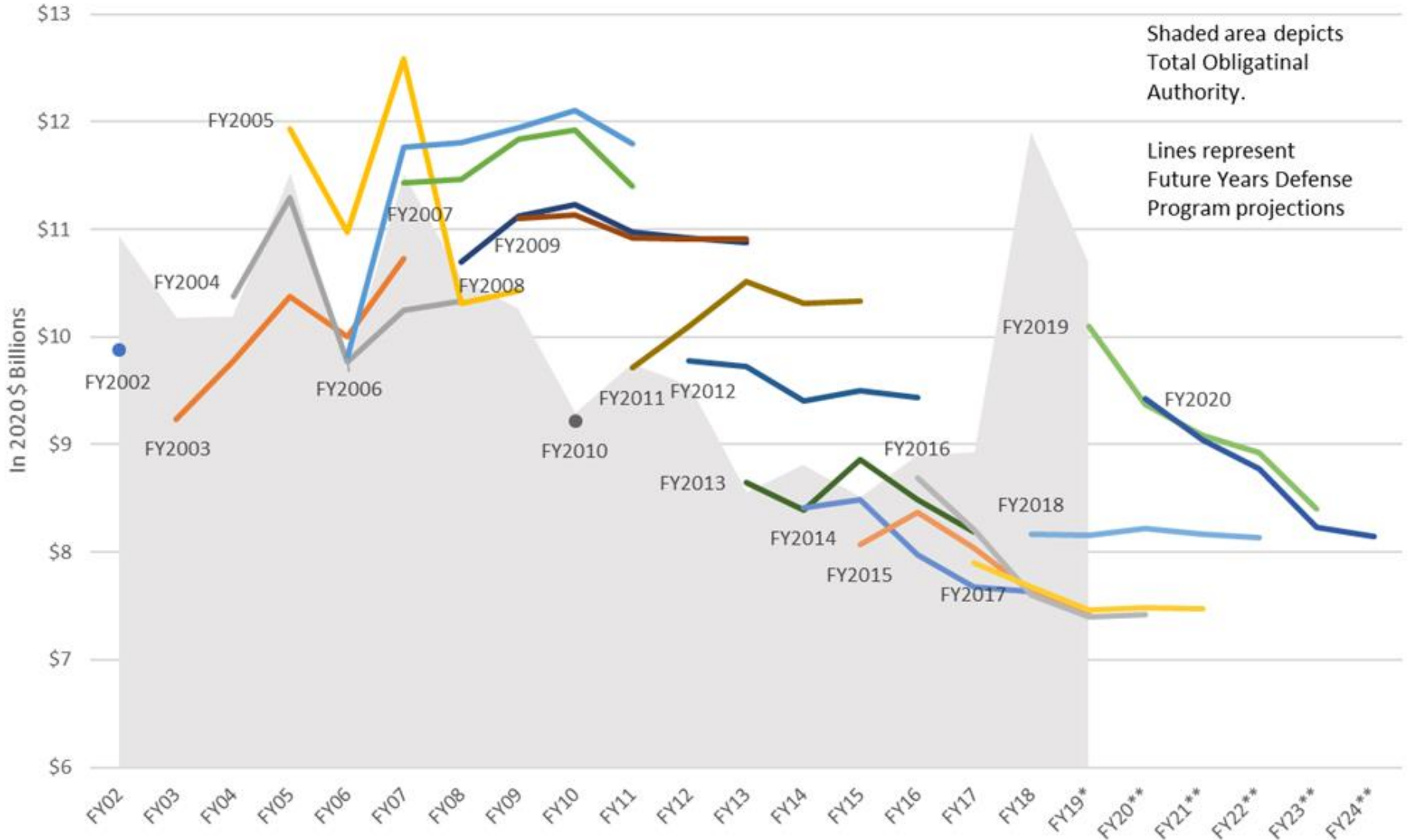
- Increased LTAMDS funding
- Neutral Particle Beam
- M-SHORAD procurement
- New Army interceptor
- Interoperability for THAAD & Patriot
- Larger SM-6 airframe
- Acquisition of Iron Dome for nearer term CMD
- IFPC adaptation
- C2BMC upgrades

Less good

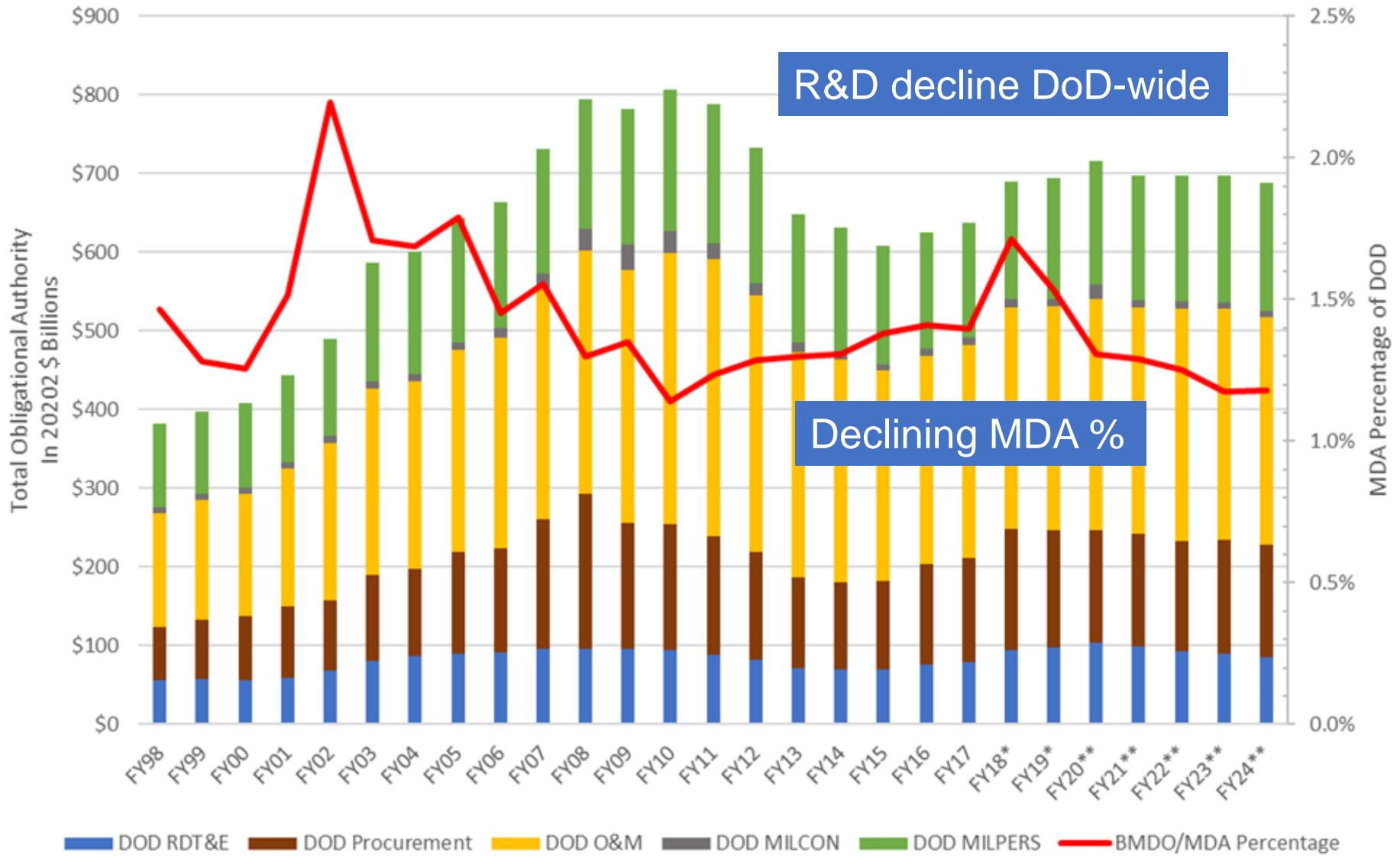
- Declining topline for MDA
- Declining R&D
- No urgency on C-HGV interceptor
- Depressed funding for MOKV
- Low funding levels for SSL and transfer to SDA, amounting to its indefinite deferral
- Nearly nonexistent adaptation of current interceptor families
- Continued focus on a **limited ballistic missile threat**

PB 2020 and the MDR are insufficiently aligned with the National Defense Strategy.

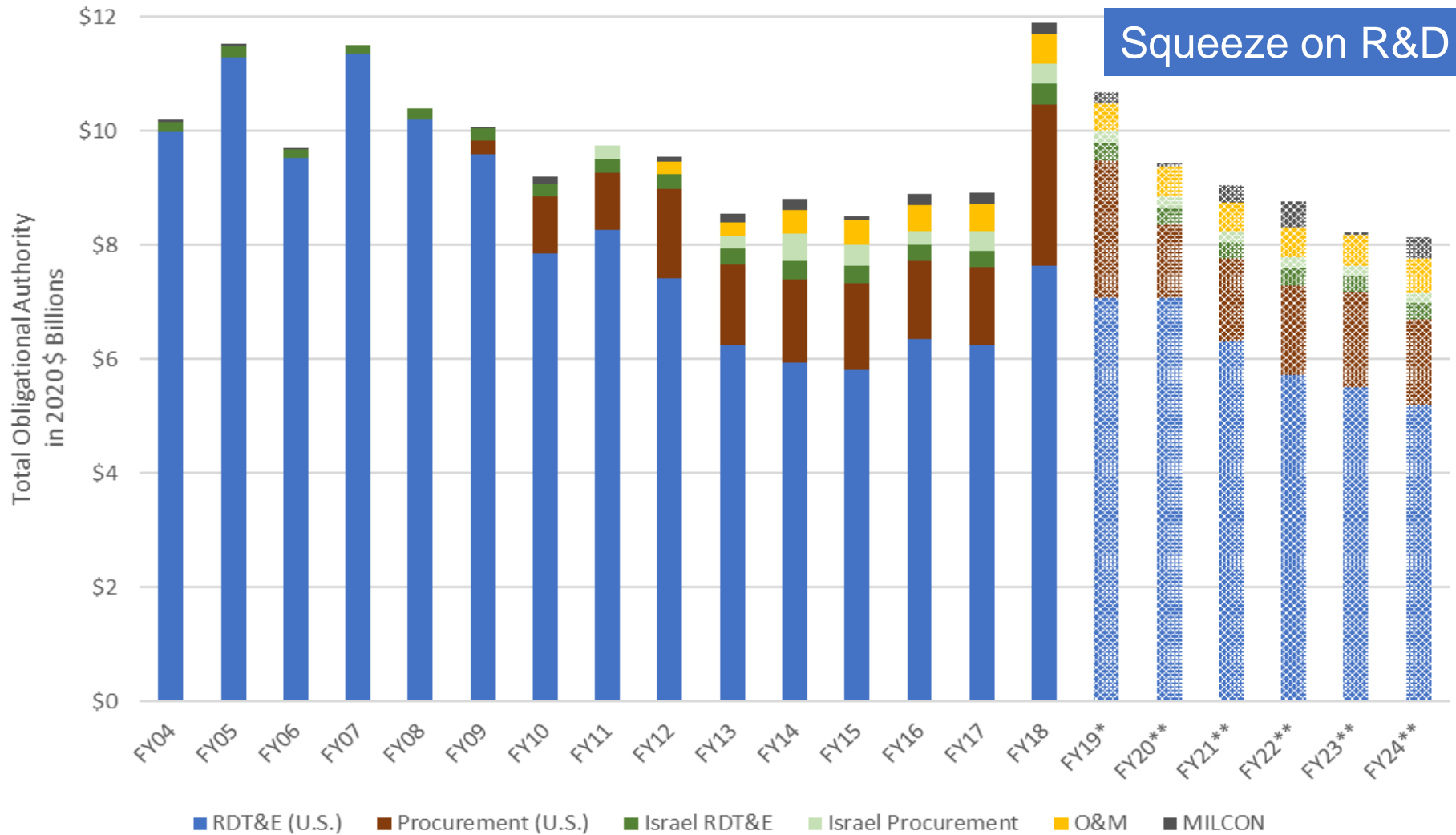
Missile Defense Agency Budget and FYDP Trends, 2002-2024



DOD Total Obligations by Title, 1998-2024

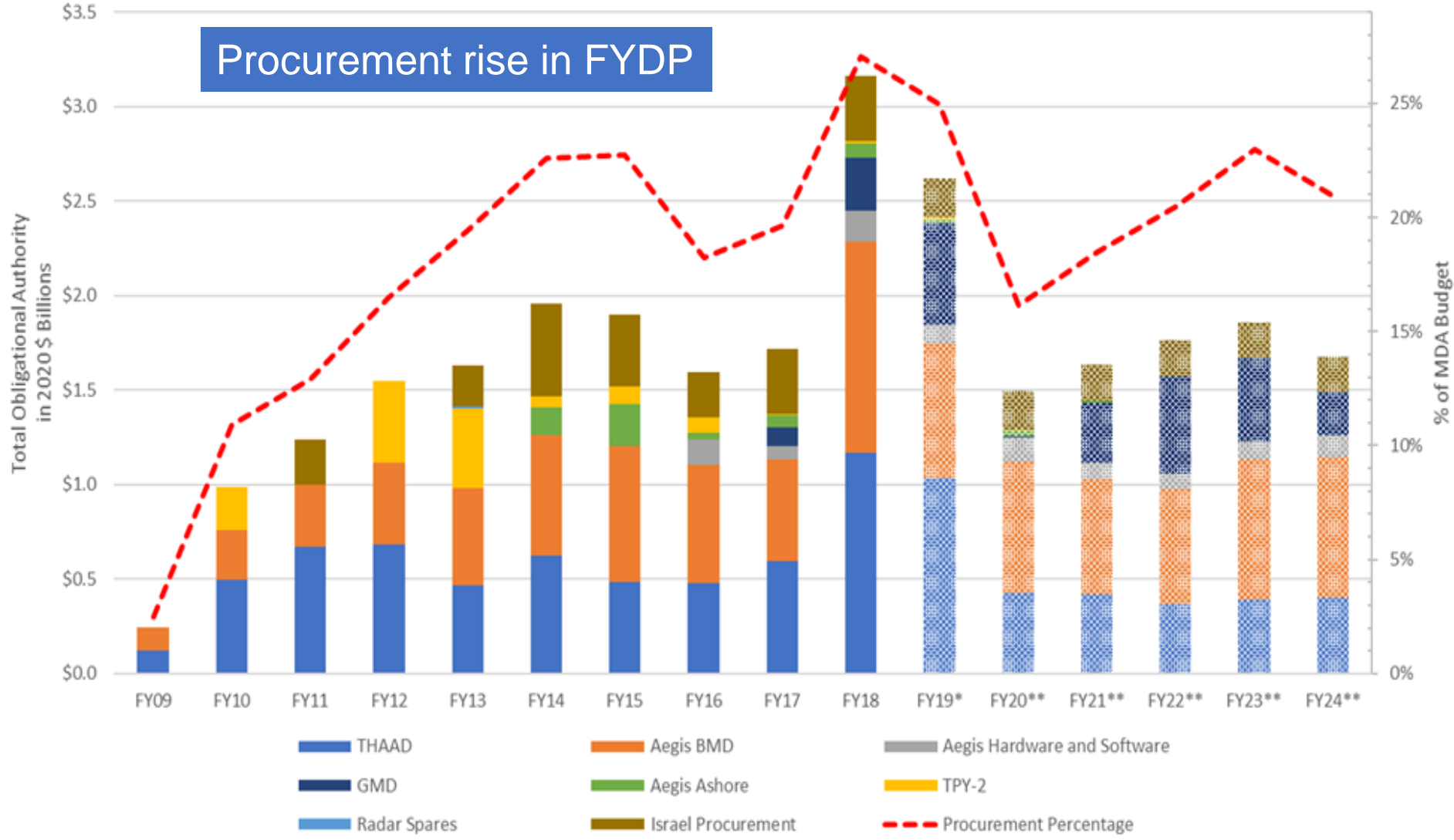


Missile Defense Agency Budget Categories, 2004-2024

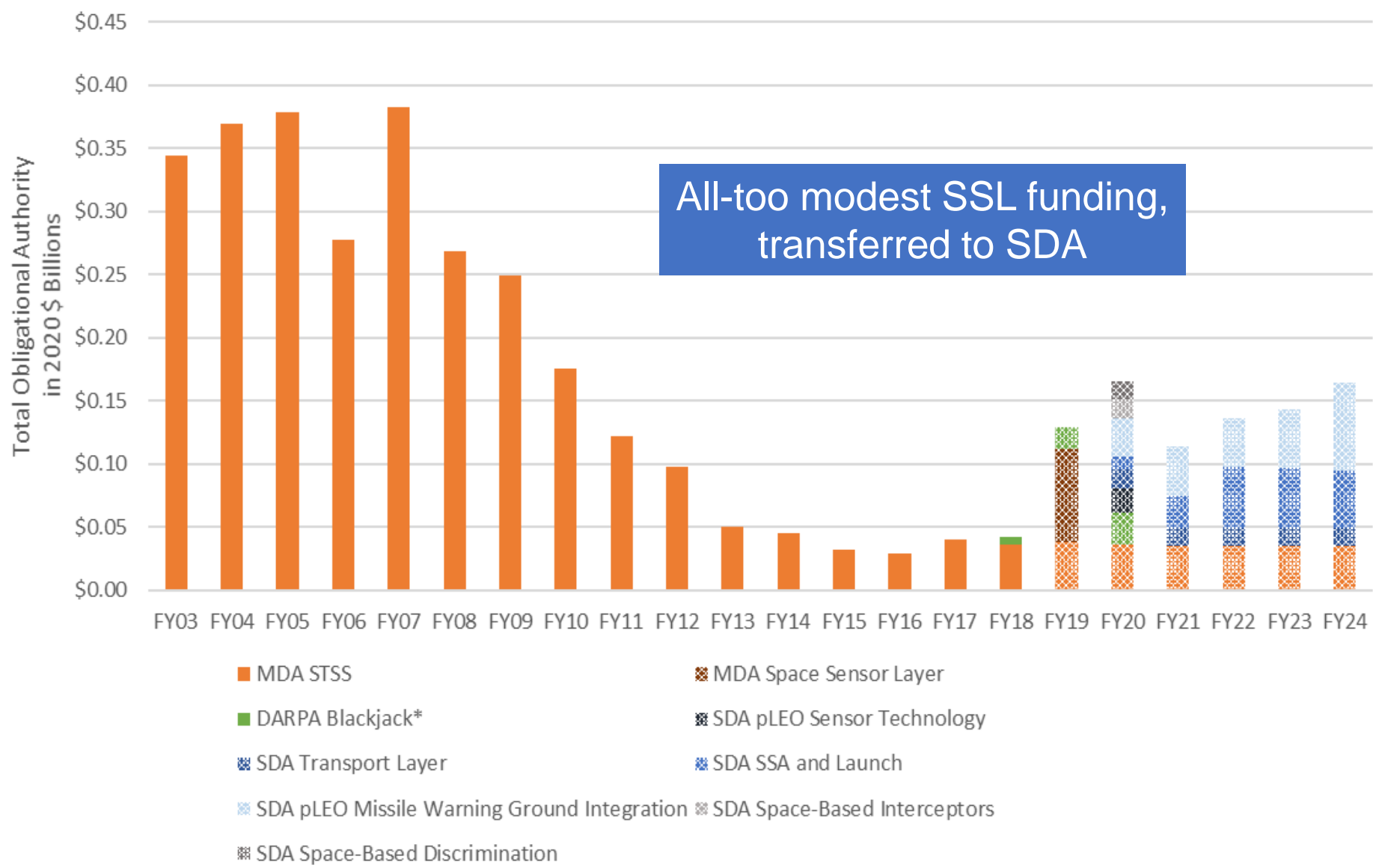


Missile Defense Agency Procurement Appropriations (U.S. Programs), 2009-2024

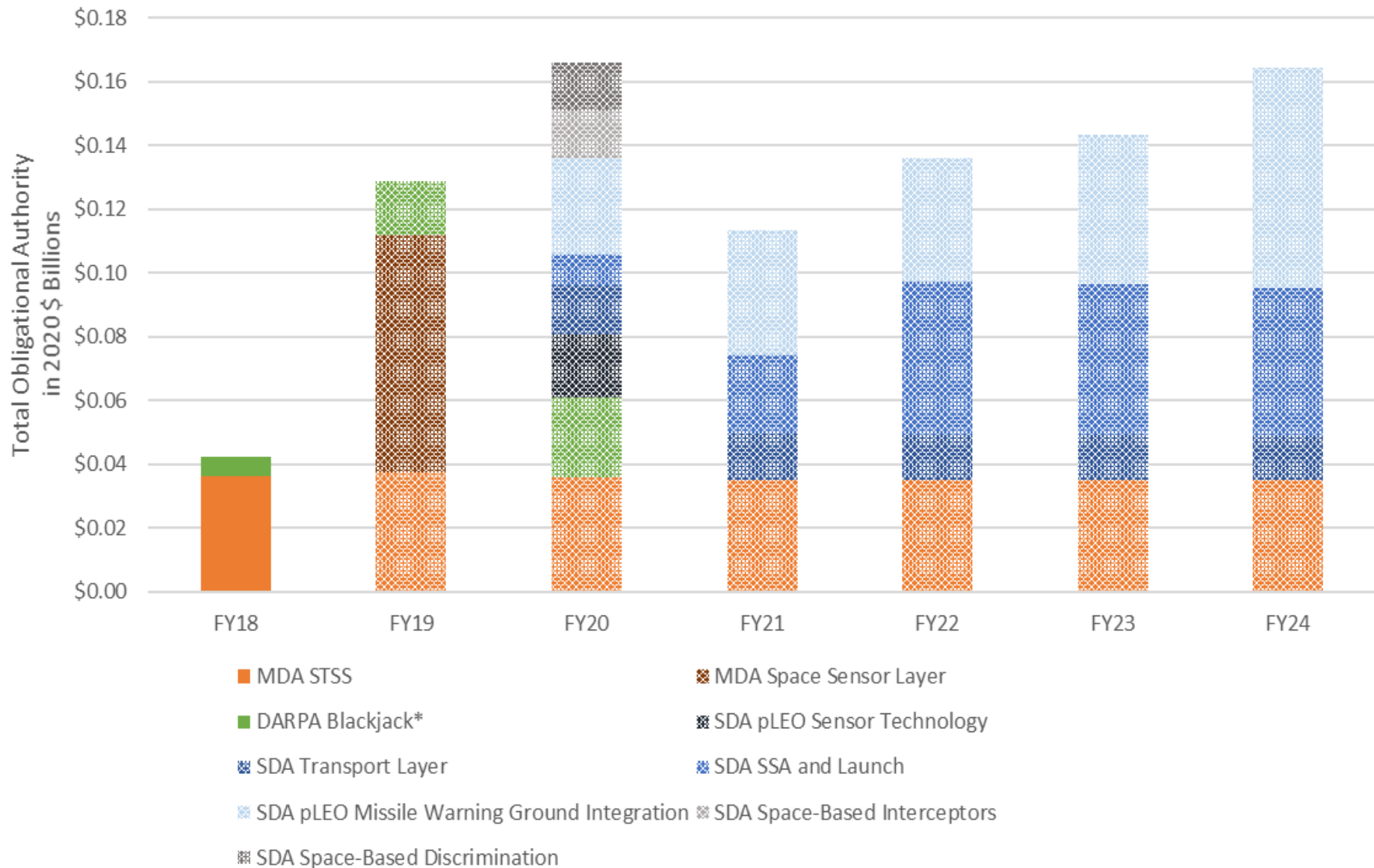
Procurement rise in FYDP



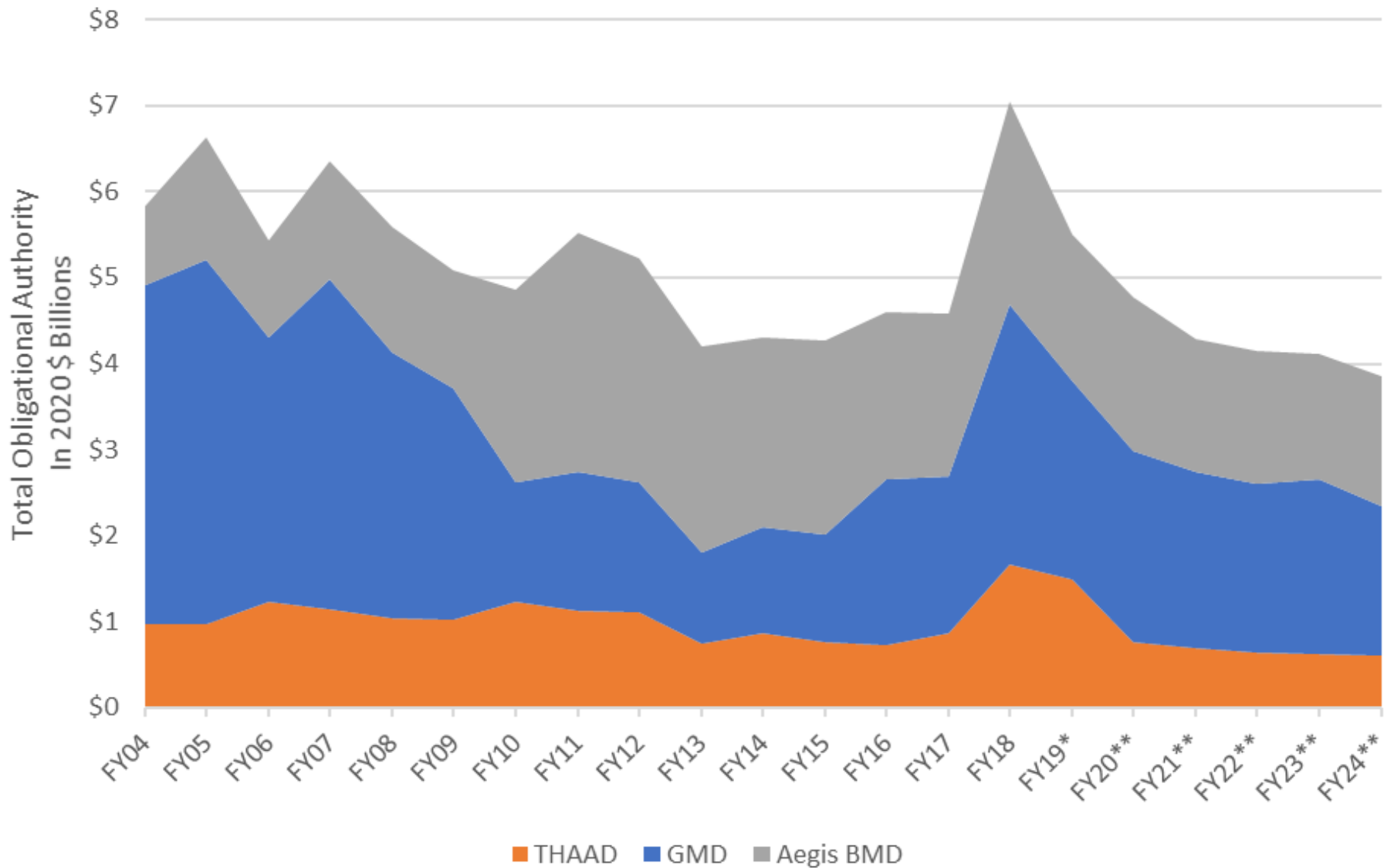
Selected DOD Missile Defense Space Sensor Layer Programs, 2003-2024



Selected DOD Missile Defense Space Sensor Layer Programs, 2018-2024

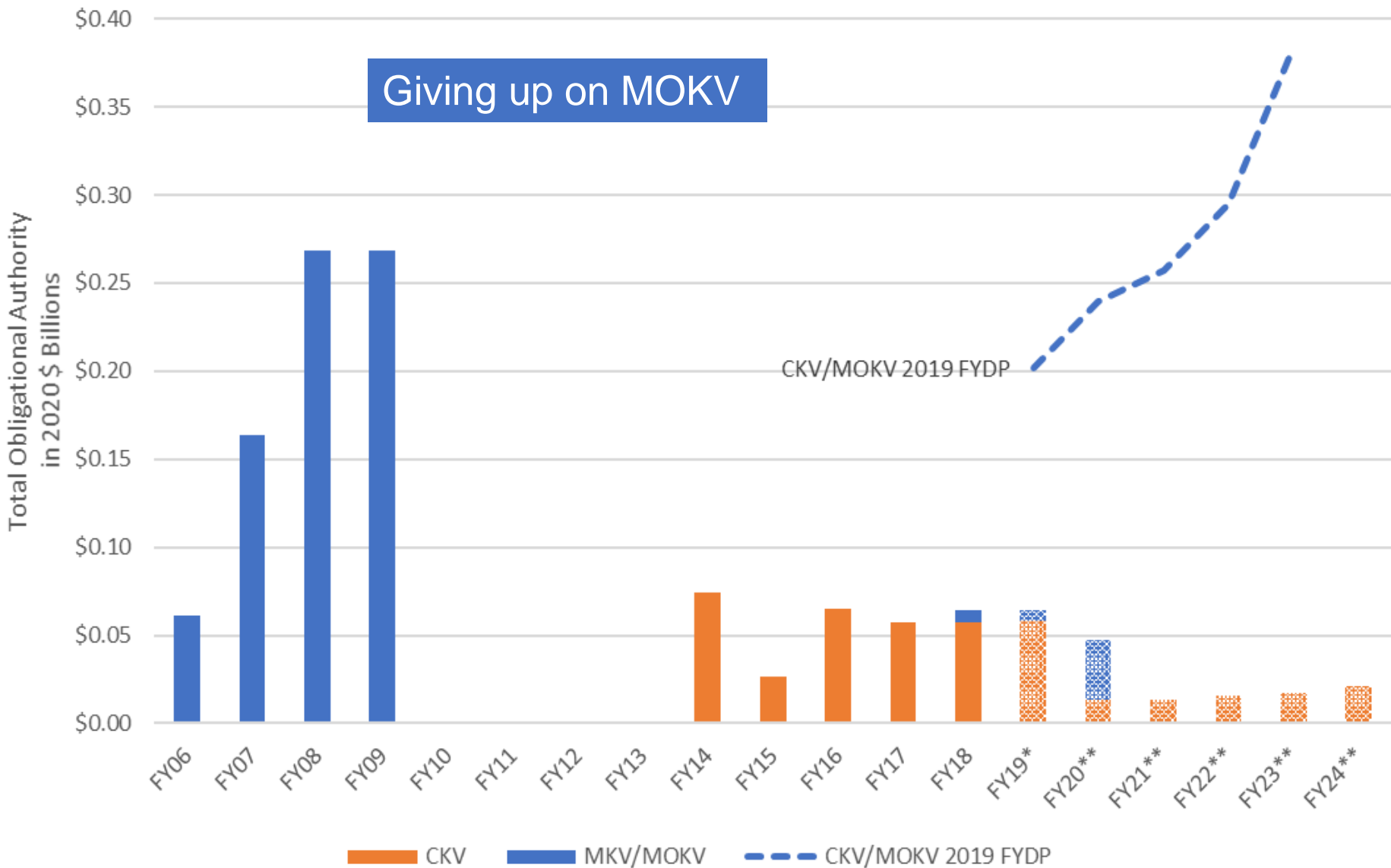


MDA Selected Program Modernization Budgets, 2004-2024

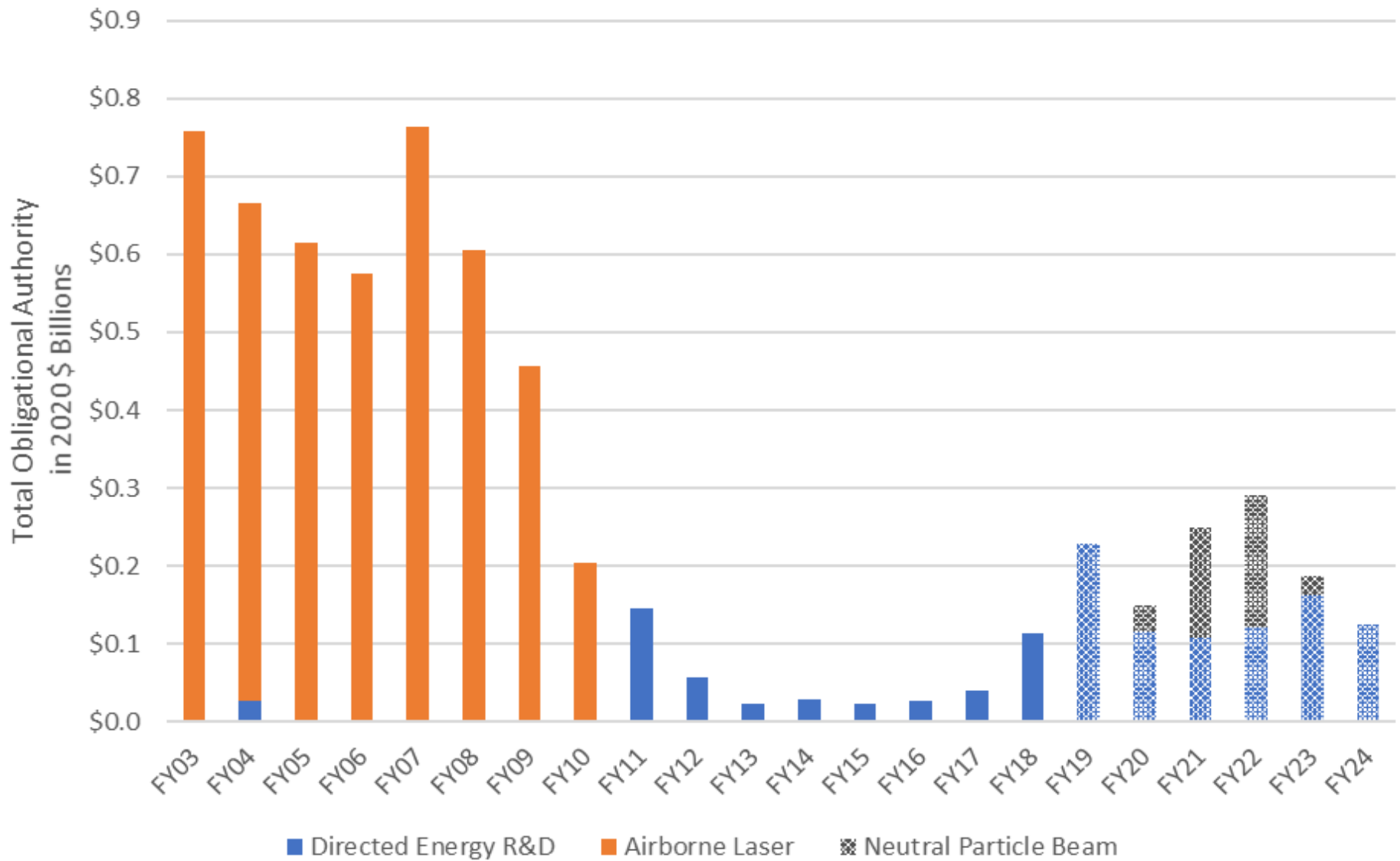


MDA Volume Kill Programs, 2006-2024

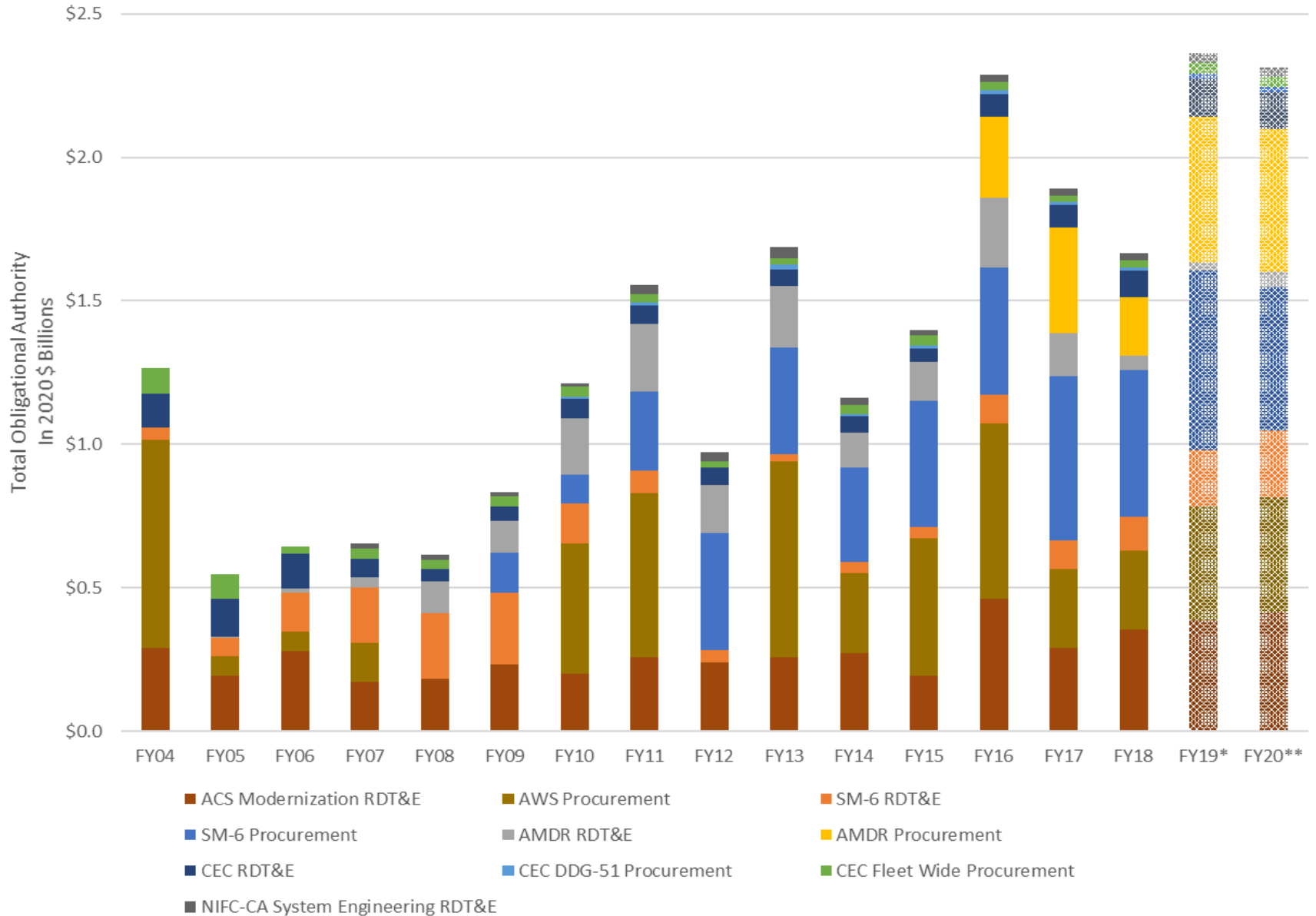
Giving up on MOKV



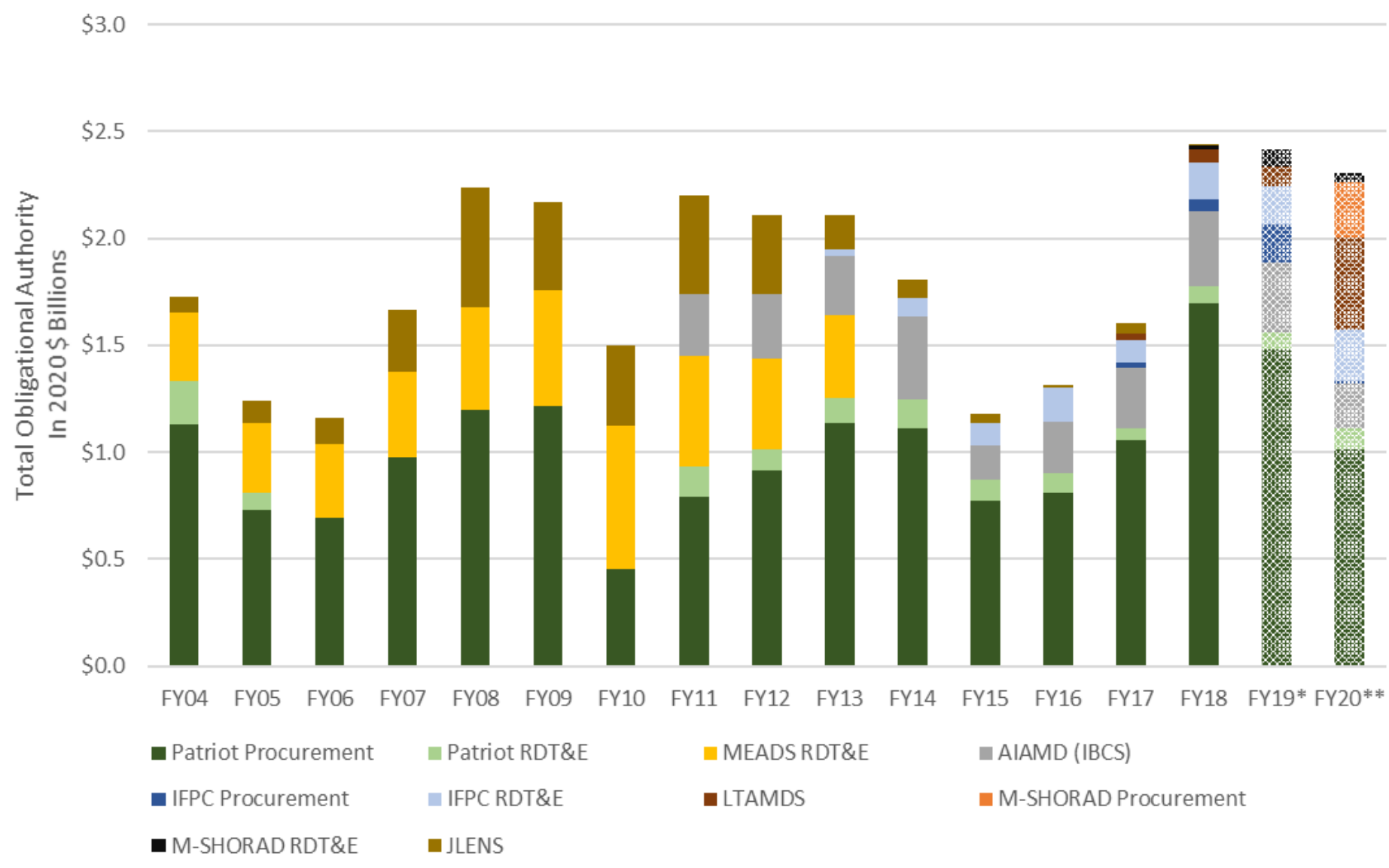
MDA Directed Energy RDT&E, 2003-2024



Select Navy Air and Missile Defense Modernization, 2004-2020



Select Army Air and Missile Defense Modernization, 2004-2020



Absent correction, the new era of missile defense will have to wait.