

MOC3HA

Objective

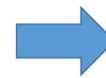
Create a *stronger, broader supply base for Carbon/Carbon composites* to meet current and future DOD hypersonic, tactical, and strategic weapon systems' requirements

OSD ManTech DMAG/PDM Program Thrusts



MOC3HA: Manufacturing of C/C Composites for Hypersonic Applications 2.0 (Plus-Up)

- Extend impact from experimental learning to industry practice
- Transition technology(ies) to Programs of Record



Task Order
Q2CY23



GAMMA-H: Growing AM Maturity for Airbreathing Hypersonics

- Remove AM propulsion systems as pacing item for HCM production
- Address manufacturing risks identified by MRAs to accelerate adoption



RFS Release
28 Oct 2022



JAHVAA: Joint Acceleration of Hypersonic Vehicle Aerostructure Alternatives

- Milestones-based competition to demonstrate alternatives to C/C
- CMC and refractory alloy systems for Boost Glide TPS



RFS Release
Q2CY23

	FY23	FY24	Totals
GAMMA-H (Scramjet Additive)	\$60	\$66	\$126
MOC3HA 2.0	\$12	\$0	\$12
JAHVAA (Metals & Ceramics)	\$15	\$37	\$52
Totals	\$87	\$103	\$190

Program Management

AFRL

Prime Research Integrator

BATTELLE

Partner Organizations



MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM HYPERSONIC "COFFEE SHOP" INVESTMENTS

