



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND AVIATION & MISSILE CENTER

AMTC OVERVIEW

18-19SEPT2023

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WHAT IS AMTC?



AMTC significantly reduces the overall time from R&D to fielding!

BENEFITS OF AN OTA



US Government

- **Reduced Acquisition Lead Time**
- **Agility - Can Tailor Terms and Conditions**
- **Leverage Commercial R&D**
- **Access to Innovation**
- **Access to broad spectrum of traditional and non-traditional contractors**
- **Advance Payments allowed**

Industry & Academia

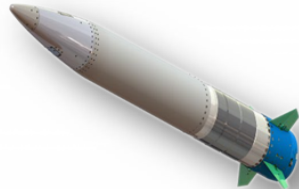
- **Relief from FAR**
- **Limits barriers to participation from those that do not want to do business with the USG**
- **Enhanced collaboration between the Government, Industry and Academia**
- **Higher visibility into USG requirements**
- **Open dialogue with the Government is permitted**
- **Flexibility in payment methods**
- **Milestone Payments**



MEETING THE BASICS — THE THREE P'S



Purpose



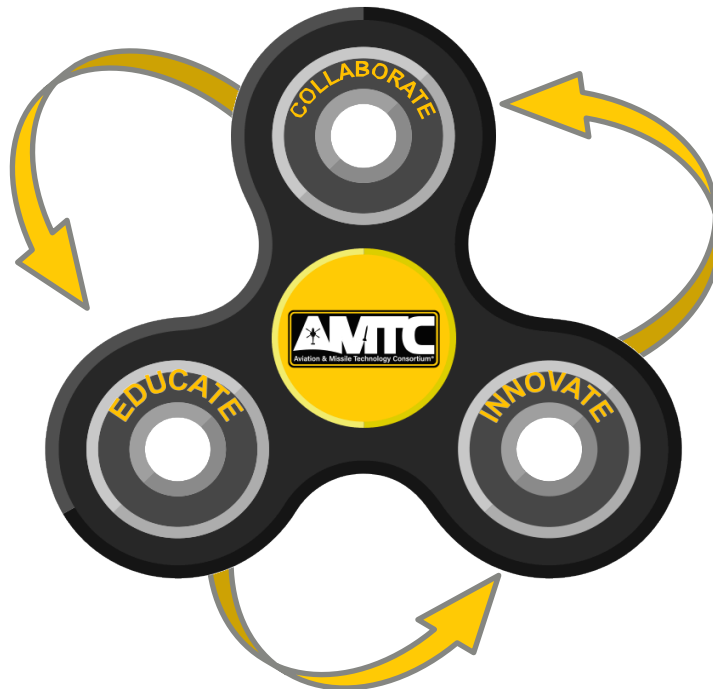
Prototype



Participation

- Directly relevant to **enhancing** the mission effectiveness
- To **improvement** of platforms, systems, components, or materials in use by the armed forces
- Preliminary **pilot, test, evaluation, demonstration, or agile development activity** used to evaluate the technical or manufacturing feasibility or military utility of a particular technology, process, concept, end item, effect, or other discrete feature.”
- At least **one non-traditional defense contractor** or nonprofit research institution participating to significant extent
- **All** significant participants in the transaction are small businesses or **non-traditional defense contractors** (including SBIR participants)
- **At least 1/3** of the total cost of the prototype project is paid by sources other than the Federal Government.

PURPOSE OF AMTC



EDUCATE yourself on the program and process to maximize the benefits of participation

COLLABORATE with industry, academia and Government partners on requirements and solutions

INNOVATE new aviation and missile technologies that support our Warfighter

AMTC OTA SCOPE



GUIDED MISSILE	MANUFACTURING & ENABLING/ DISRUPTIVE TECHNOLOGIES	AVIATION
<ul style="list-style-type: none"> • Target Detection/ Acquisition/Tracking Sensors • Missile Electronics • Seekers to Defeat Moving Targets and Air Defense Threats • Guidance/Control for Improved Precision and Global Positioning System (GPS)-Denied Precisions • Lethality Mechanisms • Warheads • Fuzes • Payloads • Radar • Datalink and Communication • Materials and Structures • Power Systems • Aerodynamics • Navigation Systems • Modeling and Simulation • Energetics • Component Cyber Security • Propulsion Systems for Increased Range and Decisive Effects • Missile Launchers • Support Equipment 	<ul style="list-style-type: none"> • Innovation Enablers • Additive Manufacturing • High Energy Creation and Storage Systems • Directed Energy • Advanced Materials/Processes • Advanced Manufacturing Techniques • Manufacturing Cyber Security • Modeling and Simulation • Virtual Prototyping • Robotics • Automation • High Temperature Materials • Lightweight & Hybrid Materials • Flexible Electronics • Reclamation/Repair Technologies • Open System Architectures for Enhanced Manufacturing Productivity (Digital Manufacturing and Industrial Internet of Things (IIoT)) 	<ul style="list-style-type: none"> • Platforms/Materials/ Structures • Power Systems • Engines/Propulsion Systems • Drives/Rotors • Mission Systems • Avionics/Navigation • Sensors Networks Data Link and Communication • Survivability • Sustainability • Autonomy • Manned/Unmanned Teaming (MUMT) • Unmanned Aerial Vehicle (UAV) • Component Cyber Security and Aviation Ground Support Equipment/ Systems (AGSE)

AMTC ORGANIZATIONAL STRUCTURE



CAO support bridges government and industry activities.

- Solicitation Preparation/Webinars
- Submission Portals
- Whitepaper & Proposal – Receipt/Compliance Review
- Award Processing/Cost Analyses
- Agreement Negotiation/Award/Admin/Closeout
- Milestone/Deliverable Tracking and Government Approvals
- Invoice Receipt/Payment
- Technical and Financial Reporting
- Nontraditional Tracking/Reporting

- Consortium Leadership Support
- Member Training and Mentoring
- Collaboration Portal and Website
- Meeting Facility
- Member Application Processing
- Member Database (DD-2345, “good standing” tracking, etc.)
- Dues/Assessment Invoicing and Collection
- Program Status & Financial Reporting
- Conferences/Booth
- Other Support Services

AMTC MEMBERS



Industry/Academia
Research & Development
Collaborations



Federally-Funded
Research
Opportunities



DOTC OTA
ACC-NJ
\$11.8B; 10 years



AMTC OTA
ACC-RSA
\$10.2B; 10 years

AVIATION & MISSILE TECHNOLOGY CONSORTIUM (AMTC)



AMERICA'S PREMIER OTHER TRANSACTION AGREEMENT (OTA)

Diverse customer base: USA, USAF, USN, RCCTO, MDA, DARPA, OSD, and SOCOM

- Technology Focus Areas
 - Aviation
 - Guided Missile
 - Manufacturing, Enabling & Disruptive Technologies
- 235+ awards
- 1200+ members
- \$8B+ awarded ceiling
- \$5.1B+ awarded funding
- 27 solicitation cycles
- 300+ Requirements
- 1,900+ EWP's submitted
- 14 Collaboration Events



**All in just
4+ years!**

**Collaboration
is the Key!**



Bringing together the best of Government, Industry, and Academia

OPERATIONALIZING CONTRACTING THROUGH INNOVATIVE SOLUTIONS



Aviation & Missile Technology Consortium OTA

Leverage 1200 Defense Contractors (80% nontraditional)

Reduce Acquisition Lead Time

Develop Cutting-Edge Technologies

Long Range Precision Fires

11 Awards
\$348M



Air Launched Effects

12 Awards
\$106M



Spike Non-Line of Sight Missile System

2 Awards
\$174M



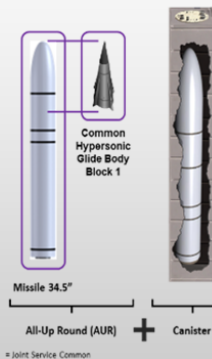
Future Long Range Assault Aircraft

2 Awards
\$610M
OTA → Follow-on FAR Production Contract



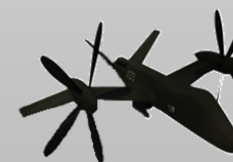
Lower Tier Air and Missile Defense Sensor

2 Awards
\$496M



Long Range Hypersonic Weapon

1 Award
\$440M

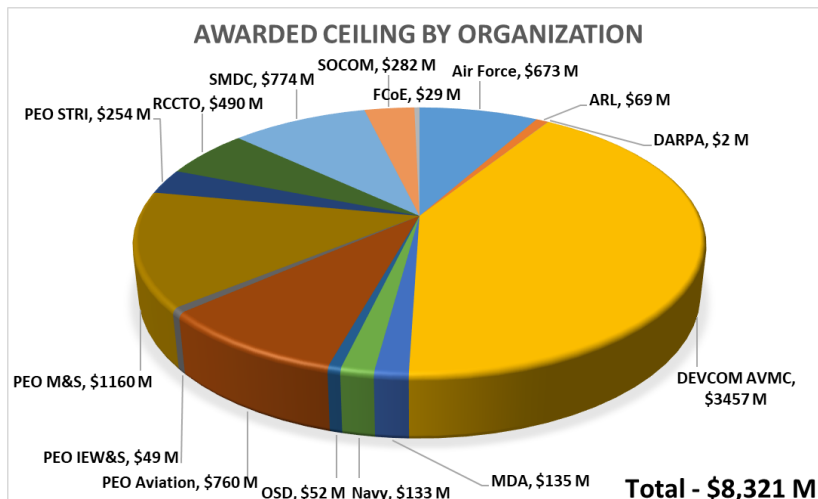
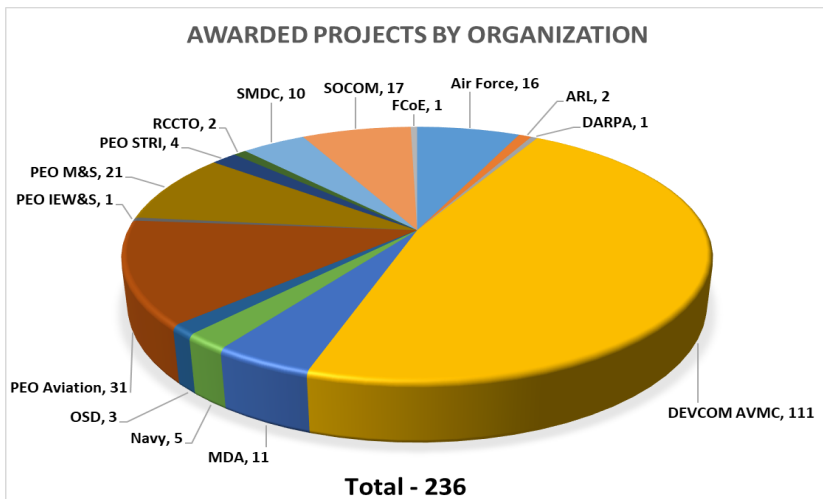
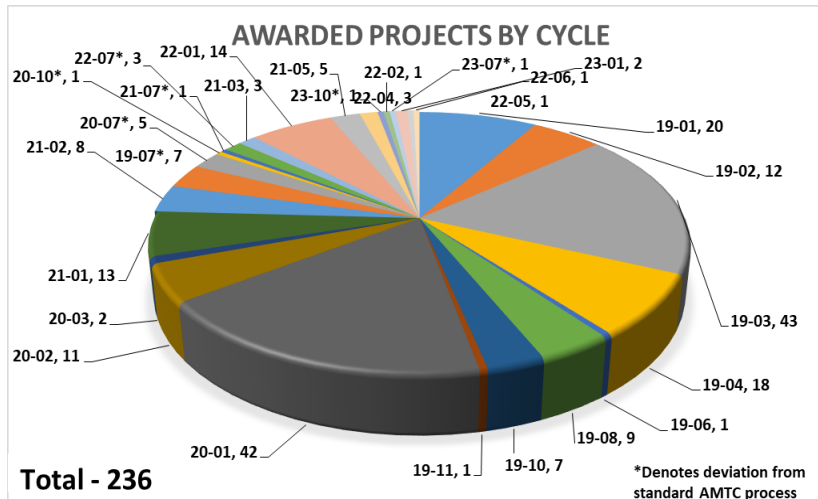
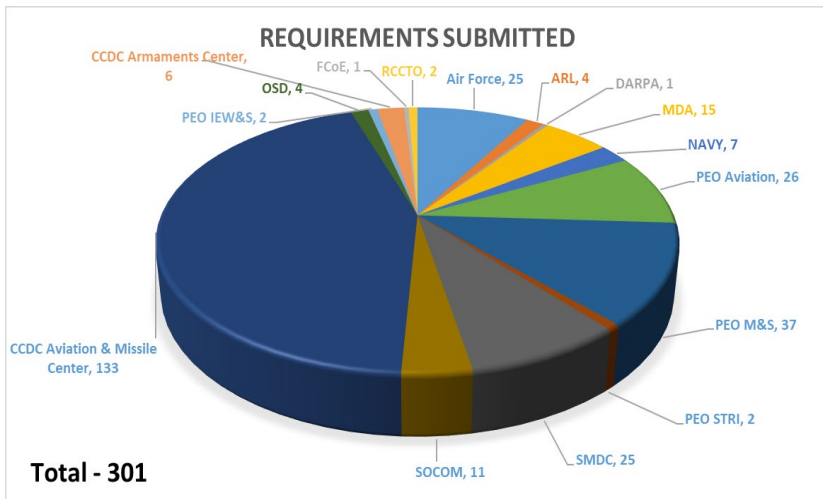


Future Tactical Unmanned Aircraft System

5 Awards
\$116M

Next Generation Short Range Interceptor (FY 23)

AMTC REQUIREMENTS & AWARDS



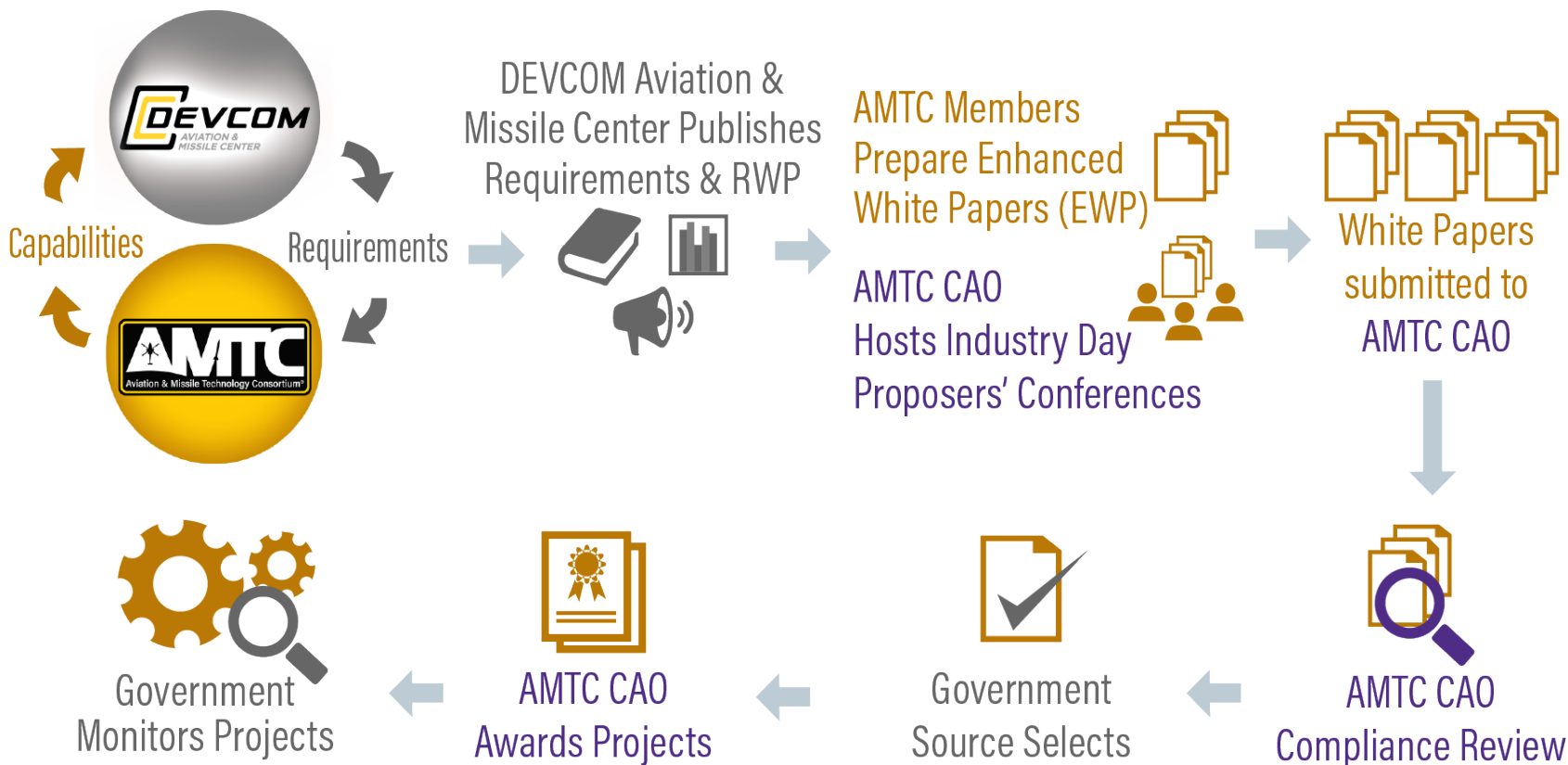
AMTC PROGRAM STATUS



Total Ceiling Awarded: \$8.3B

Technology Area	Traditional		Non-Traditional		Totals	
	Awarded Ceiling	# of Awarded Projects	Awarded Ceiling	# of Awarded Projects	Awarded Ceiling	# of Awarded Projects
AV	\$1,066,855,056	26	\$385,745,934	29	\$1,452,600,991	55
GM	\$2,791,355,598	61	\$3,298,698,929	94	\$6,090,054,526	155
MED	\$126,093,757	5	\$652,150,487	21	\$778,244,244	26
Totals	\$3,984,304,411	92	\$4,336,595,350	144	\$8,320,899,761	236

AMTC OTA PROCESS OVERVIEW



AMTC FY24 SCHEDULE



Event Description	AMTC 24-01 (AMTC-U)	AMTC 24-02 (AMTC-S)	AMTC 24-03 (AMTC-U)	AMTC 24-04 (AMTC-S)	AMTC 24-05 (AMTC-U)	AMTC 24-06 (AMTC-S)
Submission Window for Suggested Research Areas (AMTC Members)	1 Oct 23-30 Sep 24					
Collaboration Period	1 Aug-13 Dec 2023	1 Aug-13 Dec 2023	1 Aug 2023-3 Apr 2024	1 Aug 2023-3 Apr 2024	1 Aug 2023-21 Aug 2024	1 Aug 2023-21 Aug 2024
Submission Window for Objective Requirements (GOV)	1 Aug-27 Sep 2023	1 Aug-27 Sep 2023	27 Nov 2023-26 Jan 2024	27 Nov 2023-26 Jan 2024	8 Apr-7 Jun 2024	8 Apr-7 Jun 2024
Submit completed and approved Distro A Quad Charts	27 Sep 2023	27 Sep 2023	26 Jan 2024	26 Jan 2024	7 Jun 2024	7 Jun 2024
AMTC PMO Review of Objective Requirements	27 Sep-20 Oct 2023	27 Sep-20 Oct 2023	29 Jan-23 Feb 2024	29 Jan-23 Feb 2024	10 Jun - 12 Jul 2024	10 Jun - 12 Jul 2024
Requirements viewable in BIDS	23 Oct 2023	23 Oct 2023	26 Feb 2024	26 Feb 2024	15 Jul 2024	15 Jul 2024
Collaboration Event	1-3 Nov 2023	1-3 Nov 2023	5-6 Mar 2024	5-6 Mar 2024	23-24 Jul 2024	23-24 Jul 2024
Final approval to release RWP to CAO	10 Nov 2023	10 Nov 2023	8 Mar 2024	8 Mar 2024	26 Jul 2024	26 Jul 2024
Release of RWP to Consortium	15 Nov 2023	15 Nov 2023	13 Mar 2024	13 Mar 2024	31 Jul 2024	31 Jul 2024
Enhanced Whitepaper Submittal VIA BIDS	13 Dec 2023	13 Dec 2023	3 Apr 2024	3 Apr 2024	21 Aug 2024	21 Aug 2024
Technical Evaluation Due	5 Jan 2024	5 Jan 2024	19 Apr 2024	19 Apr 2024	6 Sep 2024	6 Sep 2024
Technical Consensus Evaluations Due	12 Jan 2024	12 Jan 2024	26 Apr 2024	26 Apr 2024	13 Sep 2024	13 Sep 2024
ACC and Legal Review of Consensus Evaluations (Funding can be sent)	16 Feb 2024	16 Feb 2024	24 May 2024	24 May 2024	11 Oct 2024	11 Oct 2024
Enhanced Whitepaper Feedback to AMTC Members*	29 Mar 2024	29 Mar 2024	5 Jul 2024	5 Jul 2024	22 Nov 2024	22 Nov 2024

* EWP feedback is dependent on Government's award process.



Advanced Weapons Technology Summit

Pushing Innovation and Collaboration Beyond the Limits

November 1-3, 2023 North Hall, Von Braun Center
Huntsville, AL

Participating Organizations:



