



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

APBI Briefing

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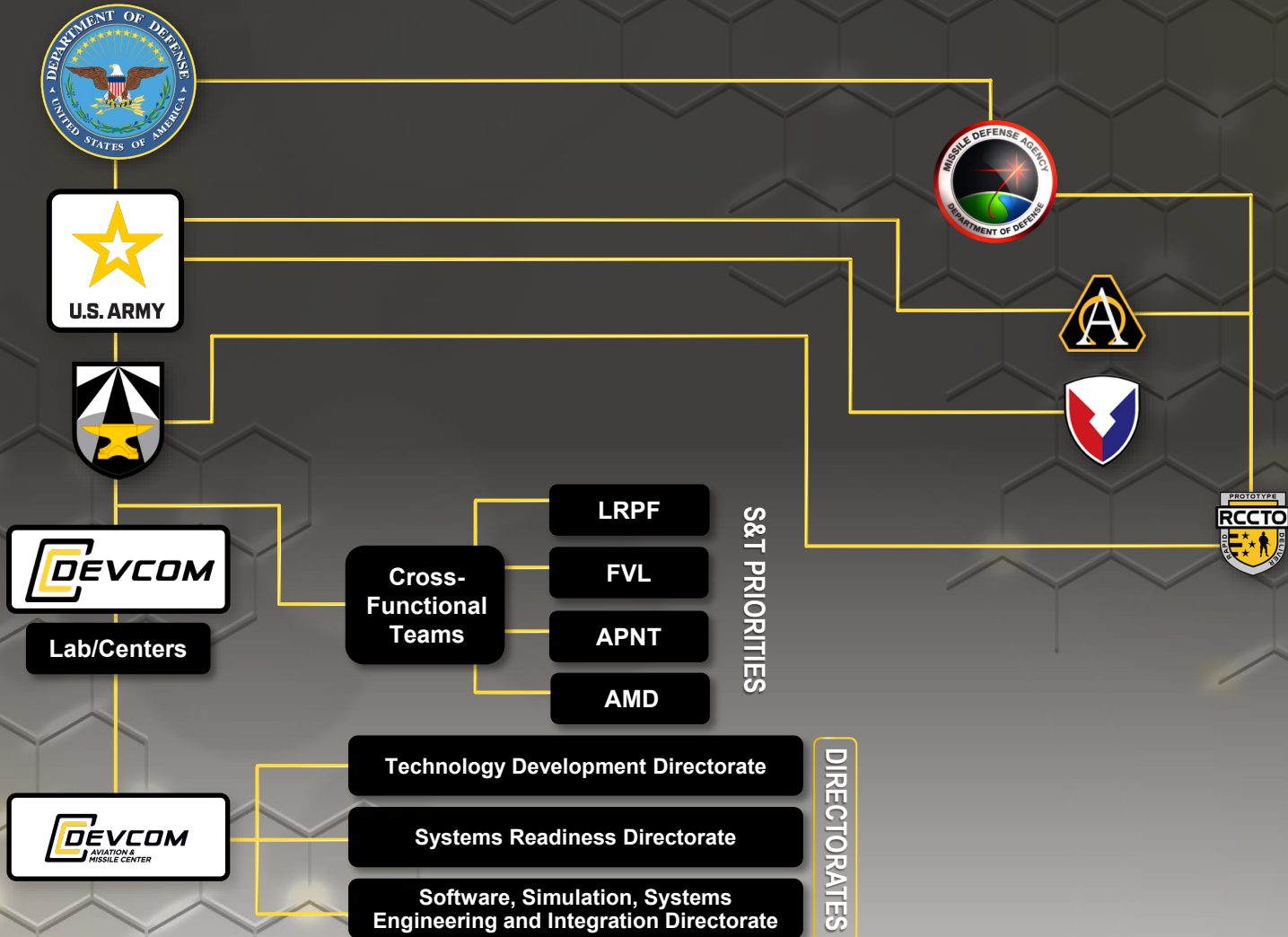


WHERE WE FIT IN



WHERE WE FIT IN

WHO WE SUPPORT





AvMC PRIORITIES



01

People. We will focus on taking care of our current workforce, as well as recruiting and developing the talent needed to build the Army of the future.



02

Transformation & Readiness. We will continue to pursue S&T investments that provide the cutting-edge technologies needed for decision dominance and overmatch in the Multi-domain Army of the future.

03

Collaboration. We will continue to provide world class functional and sustainment engineering expertise to our PEOs, MDA, RCCTO, AMCOM and other critical partners to ensure the Army maintains its warfighting advantage now and, in the future, as well as seek new partnerships to drive the innovation needed for the Army's readiness, modernization and transformation efforts.



S&T STRATEGY



BREAK THE ENEMY'S BUBBLE

PROTECT OUR FORCE

ON THE MOVE



ELIMINATE A2/AD AT ALL ECHELONS

REACH, RANGE, AND SPEED

AGILE MANEUVER TO CONTACT



DEVCOM AvMC STRATEGIC CONTRACTING INITIATIVES (FY24)



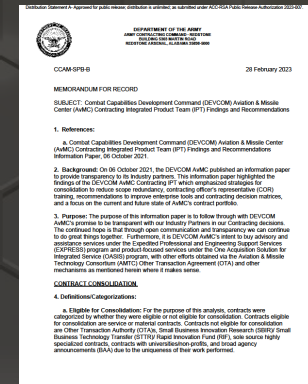
BLUF: To be more transparent with our Industry partners, DEVCOM AvMC is placing focus on two strategic contracting initiatives in FY24.

DEVCOM AvMC Information Paper

- Published annually via SAM.gov; FY24 paper is under review with an anticipated March 2024 release.

DEVCOM AvMC Industry Day

- S3I held an Industry Day Event on 28 August 2023; Charts for this event were posted to SAM.gov.
- Due to its success, DEVCOM AvMC is planning a Center-wide Industry Day on 9 May 2024.



Ref: AvMC Information Paper (28 Feb 23)



AVIATION & MISSILE TECHNOLOGY CONSORTIUM SCHEDULE (FY24)



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 - 1 May 2024	1 Aug - 1 May 2024	1 Aug - 21 Aug 2024	1 Aug - 21 Aug 2024
Submission Window for Objective Requirements (GOV)	1 Aug - 27 Sep 2023	1 Aug - 27 Sep 2023	27 Nov - 26 Jan 2024	27 Nov - 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	16 Feb 2024	16 Feb 2024	7 Jun 2024	7 Jun 2024
AMTC PMO Review of Objective Requirements	27 Sep - 20 Oct 2023	27 Sep - 20 Oct 2023	16 Feb - 23 Feb 2024	16 Feb - 23 Feb 2024	10 Jun - 12 Jul 2024	10 Jun - 12 Jul 2024
Requirements viewable in BIDS	23 Oct 2023	23 Oct 2023	4 March 2024	4 March 2024	15 Jul 2024	15 Jul 2024
Collaboration Event	1-3 Nov 2023	1-3 Nov 2023	25-26 Mar 2024	25-26 Mar 2024	23-24 Jul 2024	23-24 Jul 2024
Final approval to release RWP to CAO	10 Nov 2023	10 Nov 2023	29 Mar 2024	29 Mar 2024	26 Jul 2024	26 Jul 2024
Release of RWP to Consortium	15 Nov 2023	15 Nov 2023	10 Apr 2024	10 Apr 2024	31 Jul 2024	31 Jul 2024
Enhanced Whitepaper Submittal VIA BIDS	13 Dec 2023	13 Dec 2023	1 May 2024	1 May 2024	21 Aug 2024	21 Aug 2024
Technical Evaluation Due	5 Jan 2024	5 Jan 2024	10 May 2024	10 May 2024	6 Sep 2024	6 Sep 2024
Technical Consensus Evaluations Due	12 Jan 2024	12 Jan 2024	17 May 2024	17 May 2024	13 Sep 2024	13 Sep 2024
ACC and Legal Review of Consensus Evaluations (Funding can be sent)	16 Feb 2024	16 Feb 2024	14 Jun 2024	14 Jun 2024	16 Oct 2024	16 Oct 2024
Enhanced Whitepaper Feedback to AMTC Members*	29 Mar 2024	29 Mar 2024	26 Jul 2024	26 Jul 2024	22 Nov 2024	22 Nov 2024



POTENTIAL OPPORTUNITIES: CS



- DEVCOM AvMC Center Staff (CS) has no known/planned competitive contract opportunities at this time.



POTENTIAL OPPORTUNITIES: SRD



Description	Objective	Type	Est. \$	Future Award Date
<p>Technical Services – Engineering Support for the Combat Capabilities Development Command (CCDC) Aviation and Missile Center (AMC) Systems Readiness Directorate Aviation Systems (AMR-AB and AMR-AL) Divisions (2024T-01)</p>	<p>The DEVCOM AvMC SRD (AMR-AB and AMR-AL) is responsible for providing engineering and technical support for U.S. Army Aircraft (fixed wing and rotary wing) and non-standard Army aircraft relative to airworthiness qualification of aircraft and Army Aviation components. These offices and any future offices serve as the technical advisors to the Program Management (PM) offices dealing with US ARMY rotorcraft, fixed wing aircraft systems, non-standard aircraft, and future vertical lift efforts.</p>	<p>EXPRESS (Technical)</p>	<p>\$51M</p>	<p>08/22/2024</p>
<p>Technical assistance in Value Engineering (VE) Life Cycle Cost Reduction (LCCR) Visualization Design Lab (Viz Lab) tasks for AMCOM Aviation and Missile Systems and Components (2024T-02)</p>	<p>Provide technical research and development activities and support to implement processes in accordance with developed practices and procedures in order to complete Value Engineering (VE), Life Cycle Cost Reduction (LCCR), and Visualization Design Lab (VIZ Lab) projects for the US Army Aviation and Missile Command (AMCOM) managed systems and their components.</p>	<p>EXPRESS (Technical)</p>	<p>\$79M</p>	<p>08/22/2024</p>
<p>Technical Support and Engineering Services for the Maintenance Engineering Division (2025T-01)</p>	<p>Provide sustainment, depot and field maintenance aviation engineering and technical support of U.S. Army Aviation and Missile Command (AMCOM) fielded aviation legacy and Future Vertical Lift (FVL) systems, and pursuant to applicable support agreements and directives, similar aviation systems for the Joint Service, multi-national, military aviation enterprise. These systems include fielded aircraft, associated subsystems, components, unique support equipment and material.</p>	<p>EXPRESS (Technical)</p>	<p>\$182M</p>	<p>06/14/2024</p>



POTENTIAL OPPORTUNITIES: SRD



Description	Objective	Type	Est. \$	Future Award Date
Apache and Special Operations Aircraft Engineering Support (Consolidation) (2024T-03)	The objective of this requirements is to provide airworthiness, qualification, and systems engineering support for U.S. Army Aircraft and subsystems, to include Foreign Military Sales (FMS) for U.S. Army Special Operations Technology Applications Program Office (TAPO), Apache Attack Helicopter Project Manager's Office (AAH-PMO) and Multi-National Aviation Special Project Office (MASPO).	EXPRESS (Technical)	\$57M	09/03/2024
Software Airworthiness and Mission Equipment Engineering Support (Consolidation) (2024T-04)	The objective of this requirement is to provide Airworthiness engineering support for Mission Equipment and Software systems, subsystems, and components technology research and development, engineering development programs, standardization activities, and certification and airworthiness qualification efforts for U. S. Army aviation systems.	EXPRESS (Technical)	\$72M	11/01/2024



POTENTIAL OPPORTUNITIES: S3I



Description	Objective	Type	Est. \$	Future Award Date
Software Life Cycle Development	The objective is to provide systems engineering and computer resource engineering support that will span the entire life cycle of systems. Life cycle support is defined as the activity necessary to define concepts, define requirements, plan, manage, develop, sustain, modify, improve, test, train, field, and retire systems and system computer resources in a time frame necessary to meet customer needs.	OASIS	\$1.8B	2025
Software Mission Assurance	The objective is to perform exploratory and advanced development, and provision of engineering and scientific expertise in flight dynamics, independent software evaluations and assessments, system performance analyses, statistical data and error analysis, system simulation, simulation theory and technology, end-game lethality analysis, math model verification and validation techniques, and critical real-time simulation technology.	EXPRESS (Technical)	\$360M	2025
HWIL Aviation	The objective is to provide full life cycle support to manned and uncrewed systems (fixed, rotary wing, CUAS), subsystems, testbeds/infrastructures, and support equipment. Testbeds include high fidelity cockpit and ground control simulators, SIL/HWIL environments, payload integration, and associated test tools. Support includes user evaluations/studies, open systems architecture, flight test reconstruction, mishap investigation, and test/analysis (developmental, integration, human machine interface, system performance, and operational).	OASIS+	\$841M	2026



POTENTIAL OPPORTUNITIES: S3I



Description	Objective	Type	Est. \$	Future Award Date
Modeling and Simulation Aviation & Missile	The objective is to develop and implement high-fidelity, end-to-end validated element and system simulations, computing infrastructure and associated scene generation technologies to support system development and performance analysis for Army aviation and missile programs. Simulations include all-digital, 6 degree of freedom, integrated flight simulations, processor in the loop, and live / virtual / constructive. Modeling and simulation activities also include aerodynamics and lethality/vulnerability/survivability analysis.	OASIS +	\$601M	2026
Modeling and Simulation Systems Engineering	The objective is to develop and deliver operationally realistic modeling and simulation (M&S) capabilities to enable strategic and joint warfighter readiness in a multi domain environment. Support includes systems-of-systems simulations, live / virtual / constructive (LVC) simulations, simulation architecture and infrastructure, battlespace effectiveness, and model-based systems engineering. Activities also include analysis and support to Combatant Command M&S based exercises, wargames, and training.	OASIS +	\$801M	2026
PIF Express Technical	The objective is to provide technical solutions to the Prototype Integration Facility as it provides a rapid response to the warfighter supporting our aviation and missile customers	EXPRESS (Technical)	\$300M	2026



POTENTIAL OPPORTUNITIES: S3I



Description	Objective	Type	Est. \$	Future Award Date
PIF Follow-on	The objective of this contract is to enable the U.S. Army Combat Capabilities Develop Command (DEVCOM) Prototype Integration Facility (PIF) at Redstone Arsenal, Alabama and Joint Base Langley-Eustis, Virginia to fulfil its mission of providing best value, rapid response hardware integration solutions to support the Department of Defense (DoD) and other federal agencies.	IDIQ	TBD	2027



POTENTIAL OPPORTUNITIES: TDD



Description	Objective	Type	Est. \$	Future Award Date
<p>Technical and Engineering Support for Propulsion and Structures Technology for the Aviation and Missile Center</p>	<p>Mission requirements to be supported will include service life testing and analysis; propellant and explosive formulation and processing and equipment maintenance; electrical, structural, engineering and ballistic, arena, sled, rocket on a rope, and flight tests, analyses, and hardware design, fabrication, and integration; propellant/explosive demilitarization operations, and computer hardware integration and programming for various missile, propulsion, and warhead systems.</p>	<p>EXPRESS</p>	<p>\$17M</p>	<p>26 June 2024</p>



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