



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND GROUND VEHICLE SYSTEMS CENTER

GVSC Overview
Jennifer Beffrey, Chief of Staff

1 OCT 2024

WHO WE ARE



The Ground Vehicle Systems Center (GVSC) is the center of excellence for DoD ground vehicle systems modernization and sustainment solutions.



We support the entire lifecycle of Army ground vehicle needs

GVSC accelerates delivery and sustainment of ground system capabilities to our partners ensuring overmatch for our Warfighters.

And provide research, development, engineering and analytical expertise

Providing engineering expertise and sustainment support to our partners across the Force.

WHAT WE DO



We provide research, development, engineering and analytical expertise



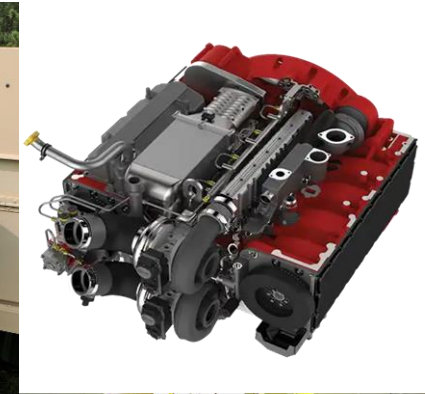
CIVILIAN
EMPLOYEES
~1,800



SOLDIERS
4



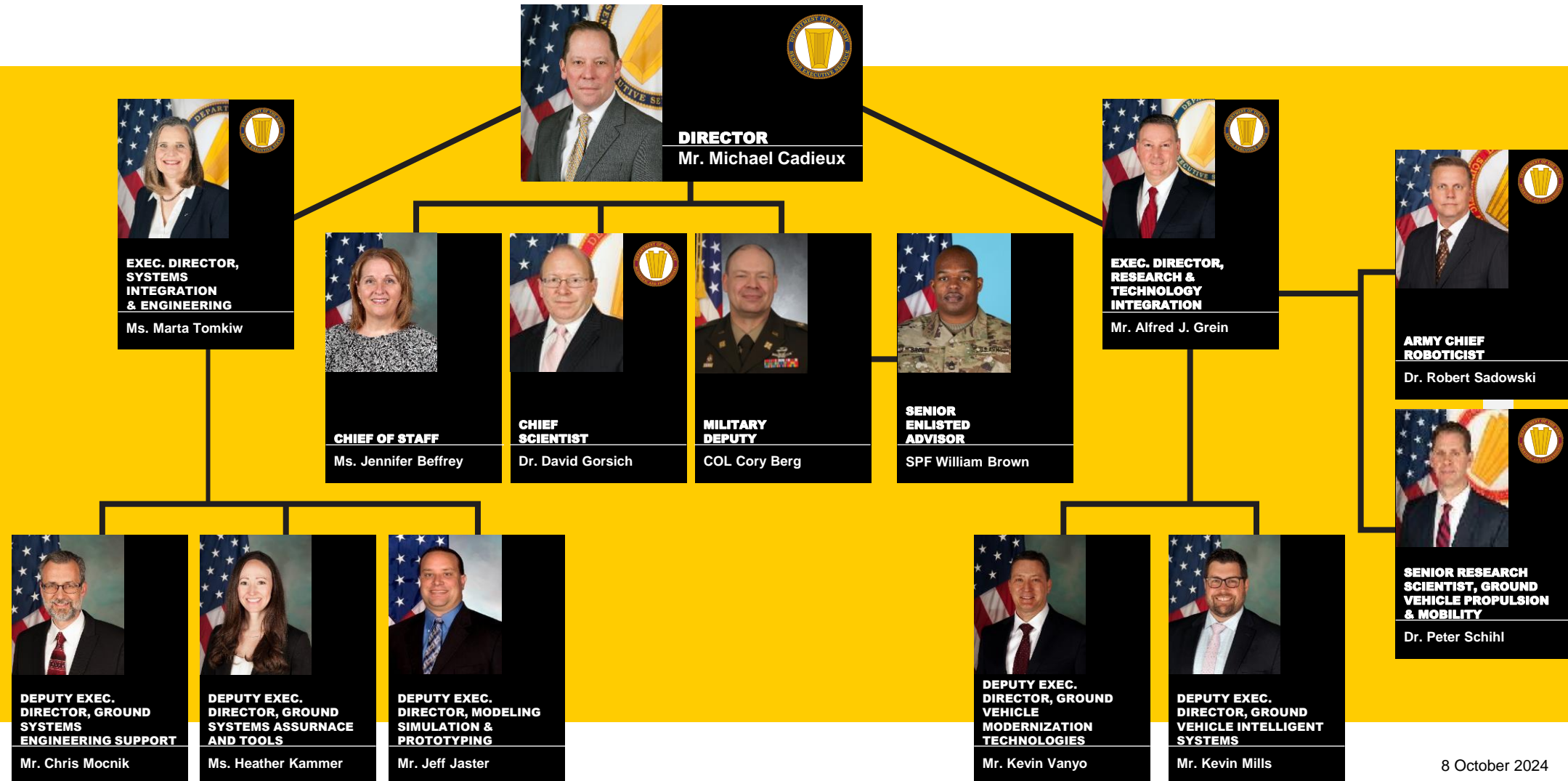
CONTRACTORS
~1,100



- Expedite the transition of near, mid and far term Army ground vehicle technologies to the Warfighter
- Link connecting science and technology experts, concept developers, experimentation and testing communities, equipment purchasers, fielders and maintainers of Army ground vehicles.

- Enable iterative capability development through threat analysis, modeling & simulation, experimentation, and prototyping
- Focused on Soldier-centered design through experimentation, prototyping and conducting routine Soldier touchpoints

DEVCOM GROUND VEHICLE SYSTEMS CENTER LEADERSHIP STRUCTURE



8 October 2024





U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND GROUND VEHICLE SYSTEMS CENTER

Acquisition Management Office (AMO) Capabilities & Team

29 OCT 2024

David Daniels

Chief, Acquisition Management Office

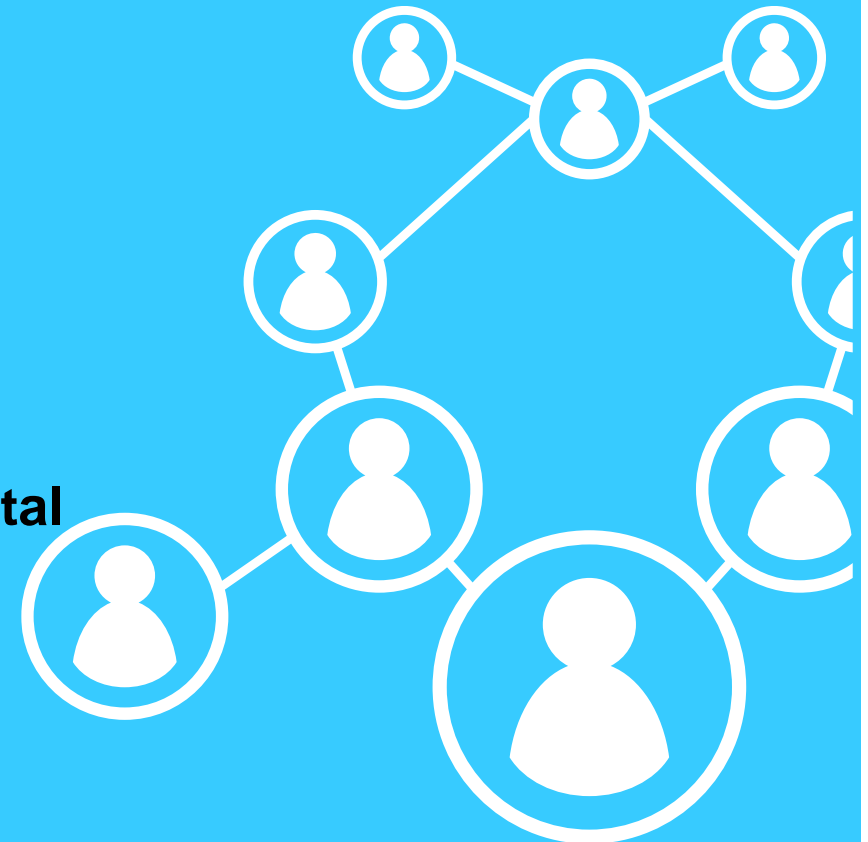
DEVCOM – GVSC – G8 – AMO

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AGENDA



- **Mission Statement**
- **The Acquisition Management Office**
- **Process**
- **Cone of Contracting**
- **Open Solicitations (BAA & CSO)**
- **Defense Technical Innovation Center (DTIC)**
- **Technical Engineering Services (TES)**
- **10 USC 4023 (10 USC 2373) Purchase for Experimental**
- **Consortium OTA**
- **Stand-Alone OTA**
- **Misc. Mechanisms**



INTRODUCTION TO GVSC AMO



MISSION:

Provide best in class, actionable, innovative acquisition and assistance agreement solutions to US Army Combat Capabilities Development Command (DEVCOM), Ground Vehicle Systems Center (GVSC) and its external DoD customer organizations.

VISION:

Acquisition Innovation Defined

THE ACQUISITION MANAGEMENT OFFICE (AMO)



The Acquisition Management Office (AMO) is comprised of two (2) teams:

- Consortium Based Other Transaction Agreements (OTA)
- Special Projects and Operations (FAR and Stand Alone OTAs)

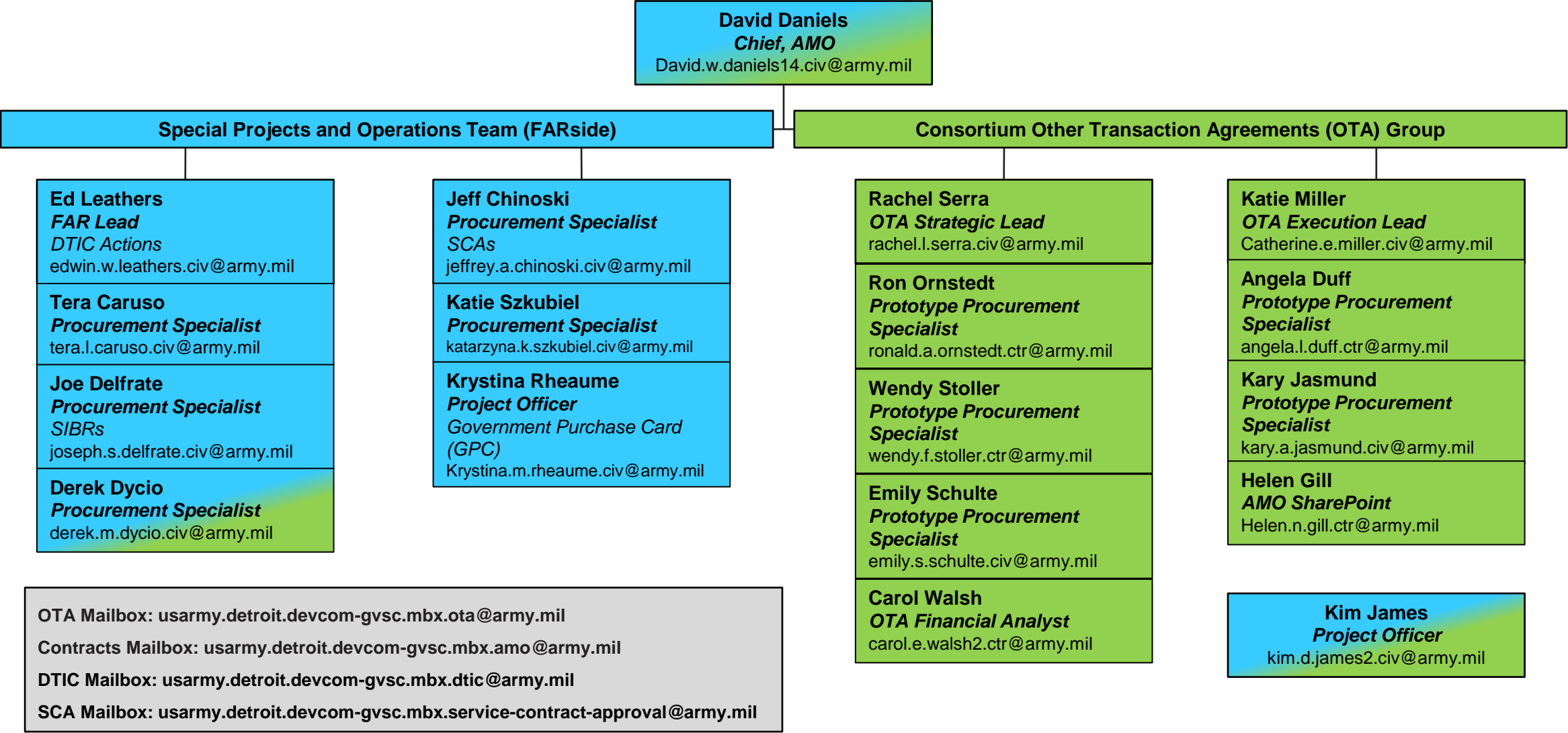
The AMO Team (*the who*):

- Includes Procurement Specialists, Prototype Procurement Specialist (PPS), Project Officers and Financial Analyst
- Experience in contracting, military, engineering, budget, aviation and industry
- Current (Experienced and Educated) in various acquisition tools covering the contracting spectrum

The AMO Team will (*the what*):

- Assist in developing acquisition strategy and subsequent execution
- Functions as a single point of contact (POC), as lead, supporting the customer thru the entire acquisition cycle
- Monitor project schedules, cost and performance
- Provide templates, examples, and trainings for various parts of the acquisition process

ORGANIZATIONAL CHART



GENERIC AMO PROCESS PART 1



Customers connect with the AMO to discuss necessities (*the how*):

Scope (Project objective/background)

- Deliverables
- Classification

Schedule

- Project
- Programmatic

Funding

- 7600
- Type funding

Market Research

- Competitive
- Sole Source

GENERIC AMO PROCESS PART 2



****Determine available and proper contracting tool****

Assign Procurement Specialist (FAR) or Prototype Procurement Specialist (OTA)

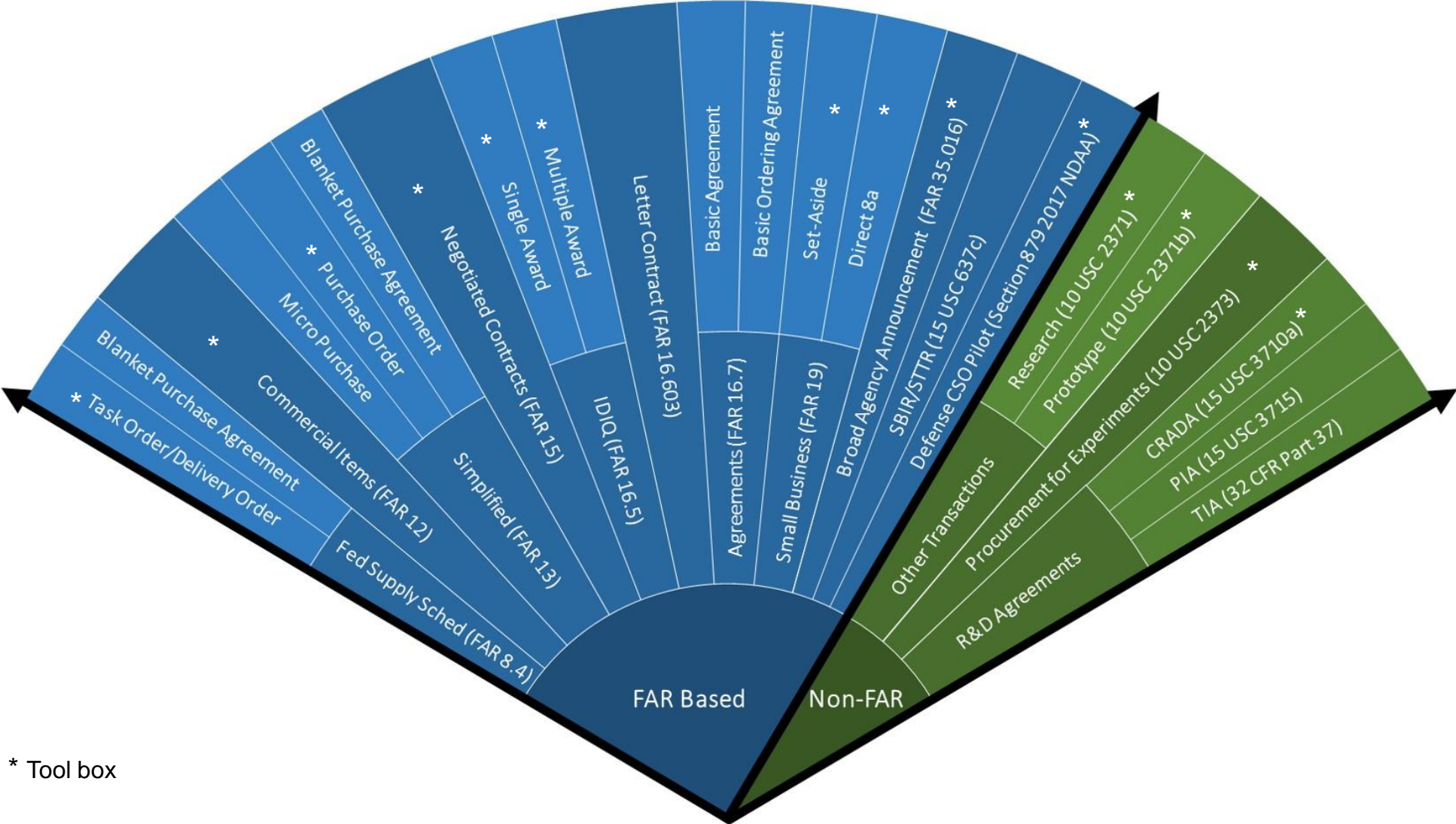
Baseline project and influences (team / partner) the effort through acquisition approach / cycle

- Aid in development, routing and approval of procurement packet
- Provide perspectives / guidance in justifications and negotiation positions
- Engage service provider network team (ACC, Legal(s), Pricing, Consortiums etc.)

Full Service “Concept to Close Out”

- Acquisition strategy development
- Project modifications / administration
- Close out

CONTRACTING CONE



* Tool box

CONTRACTING METRICS



Contract Type	FY24 count	~Avg Days to Award
BAA*	8	168
CSO**	NEW	
DTIC	533	12.8
TES	458	37.2
Stand Alone OTA	3	188
OTA Ad Hoc	4	247.5***
OTA Basket Pull	2	141.9***

***Includes historical data

*Awarded JAN2024

**NEW – announced 10JUN2024

BROAD AGENCY ANNOUNCEMENT (BAA)

W56HZV-24-A-0003



Special Projects and Operations

- Board Agency Announcement (BAA) (FAR 35.016)
- Open solicitation from the Government requesting scientific or research & development (R&D) proposals from private firms, concerning areas of interest to the Government.
- Basic and Applied Research that is not related to the development of a specific system or hardware procurement.
- Satisfies competition requirement allowing ability to award directly without sole source justification
- Various mechanisms available: i.e., Contracts, Grants, Cooperative Agreements and Other Transactions
- Current BAA expires January 2027

COMMERCIAL SOLUTIONS OPENING (CSO)

W912CH-24-S-0002



Special Projects and Operations

- **10 U.S.C. §3458** – Authority to Acquire Innovative Commercial Products and Commercial Services using General Solicitation Competitive Procedures.
- CSO is a competitive process to obtain solutions or new capabilities that fulfill requirements, close capability gaps, or provide potential technological advances.
- Similar to (BAAs), exception a CSO acquires innovative commercial items, technologies, or services that directly meet program requirements, whereas BAA is restricted to basic and applied research.
- Various Award Instrument can be utilized: i.e., Contracts, Cooperative Agreements and Other Transactions
- Current CSO expires June 2029

DEFENSE TECHNICAL INNOVATION CENTER (DTIC)



Special Projects and Operations

• DTIC

- Indefinite Delivery Indefinite Quantity (IDIQ) Multiple Award Contract (MAC) for RDT&E services, other R&D-related analytical services, and development of doctrine, tactics or plans.
- Six (6) Technical Areas Task (TAT)
 - BAH
 - Battelle
 - ALION/HII
 - KBR
 - SWRI
 - SAIC
- Documents required for DTIC contracts: Performance Work Statement (PWS), 7600A, MIPRs

TECHNICAL AND ENGINEERING SERVICE (TES)



Special Projects and Operations

- **Scope:** Technical and engineering services to assist GVSC in In-Service engineering and Science and Technology missions. These missions' emphases technical engineering services for Program and Project Managers (PMs) within Program Executive Office (PEO) Ground Combat Systems (GCS) and PEO Combat Support & Combat Service Support (CS&CSS).
- **Current Contract:**
 - **Contract Type:** Hybrid - Cost Plus Fixed Fee/Cost No Fee
 - **Work Directive:** Task Order
 - **Contractor:** DCS Corp.

STAND-ALONE OTA



Special Projects and Operations

- **Scope:** Prototyping (Various Technology Areas) Outside the Consortium Model.
- **Current Contract:**
 - Numerous

MISC. MECHANISMS



Special Projects and Operations

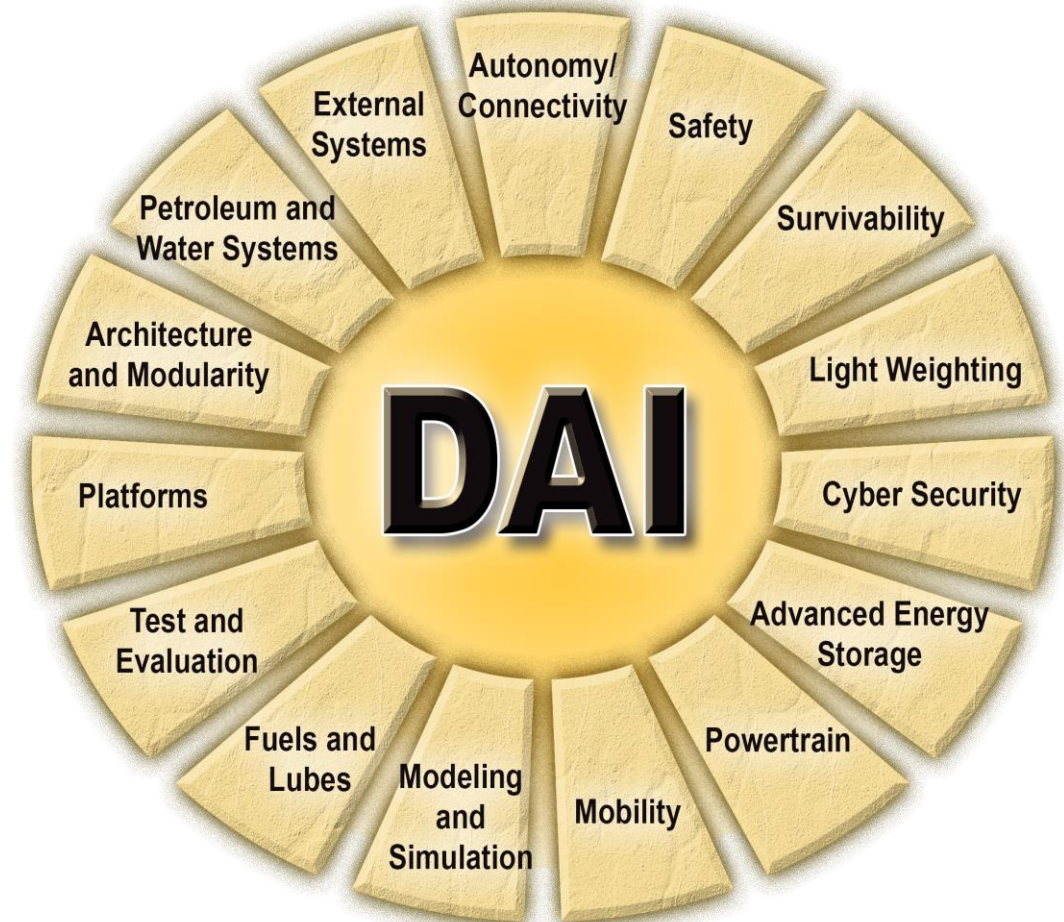
- **FAR based contracts**
 - General Service Administration (GSA) Schedule
 - Small Business Innovation Research (SBIR) – Phase I, Phase II and Phase III
 - Small Business Technology Transfer (STTR) – Phase I, Phase II and Phase III
 - Cooperative Agreements
 - 8(a) Administration
- **Agile Mechanisms**
 - Prize Competitions

DETROIT ARSENAL INNOVATION (DAI) OTA



Consortium OTA

- **Customer Focused:** All of DoD
- **Consortium Manager By:** NAMC
- **Membership Dues:** \$500/year
- **Period of Performance:** 5-year base period with 5 additional one-year options
- **Technology Areas:** 15
- **Membership:** ~473 Members
– 68% Non-Traditional Defense Contractors (NDCs)





CONTRACTING TOOLS AND COVERAGE BY SPEND CATEGORY

Spend Category	Primary Tools	Current Coverage	Potential Tools
Basic Research (6.1)	Cooperative Agreement (CA); Broad Agency Announcement (BAA)	<ul style="list-style-type: none"> • ARC • BAA • Clemson University • Wichita State University (WSU) 	Cooperative Research & Development Agreement (CRADA); Grant; Prize Challenge; SIBR Phase I and II
Applied Research (6.2)	CA; BAA; Procurement for Experimentation; (10 USC 4023) Contract	<ul style="list-style-type: none"> • ARC • BAA • Michigan Technological University (MTU) • MITRE • Clemson University • WSU • 10 USC 4023 	Technology Investment Agreement (TIA); Other Transaction Agreements (OTA) for Research; Grants; SIBR Phase I and II
Advanced Technology Development (6.3)	CA; BAA; Procurement for Experimentation (10 USC 4023); Contract, CSO	<ul style="list-style-type: none"> • ARC • BAA • CSO • CTMA • MITRE • MTU • TES • Clemson University • WSU • 10 USC 4023 	Prize Challenges; OTA for Prototyping; Contracts; SIBR Phase I, II and III
Demonstration and Validation (6.4)	CSO	<ul style="list-style-type: none"> • CSO • TES 	Contract



CONTRACTING TOOLS AND COVERAGE BY SPEND CATEGORY CONTINUED

Spend Category	Primary Tools	Current Coverage	Potential Tools
Engineering and Manufacturing Development (6.5)	Contract; CA, CSO	<ul style="list-style-type: none"> • CTMA • CSO • GVSP and PdM VPS TES • TES 	General Service Administration (GSA) Schedule; MA IDIQ
RDT&E Management Support (6.6)	Contract; MA IDIQ, CSO	<ul style="list-style-type: none"> • ASRC • Automation Alley • Chenega Administrative contract • CSO • TES • Women Own Build to Print 	
Operational System Development (6.7)	Contract; MA IDIQ; Government Purchase Card (GPC), CSO	<ul style="list-style-type: none"> • CSO • G9 Lab Calibration • GPC • GVSL TES • Jacobs Maintenance • TES 	

DTIC, 8(a) Administration, Consortium OTA and Standalone OTAs can be used for **ANY Spend Category*

QUESTIONS?





BROAD AGENCY ANNOUNCEMENT (BAA)

Dave Daniels
Chief AMO
Acquisition Management Office

BROAD AGENCY ANNOUNCEMENT (BAA)



- A Broad Agency Announcement (BAA) (FAR 35.016). Notice from the government that requests scientific or research & development (R&D) solutions from private firms, concerning certain areas of interest to the government, not related to development of a specific system or hardware procurement.
- A BAA doesn't provide the standard Statement of Work (SOW) as a normal Request for Proposal (RFP) would, but rather details a problem statement and challenges and solicited an innovative solution. The proposals submitted by the private firms may lead to contracts.
- BAAs are established in FAR 35.016 and are authorized for the acquisition of BASIC and APPLIED RESEARCH and that part of development not related to the development of a specific system or hardware procurement.
- BAAs are an expression of interest only and do not commit the Government to make an award or pay proposal preparation prices generated in response to this announcement.

BAA ALLOWABLE S&T AREAS



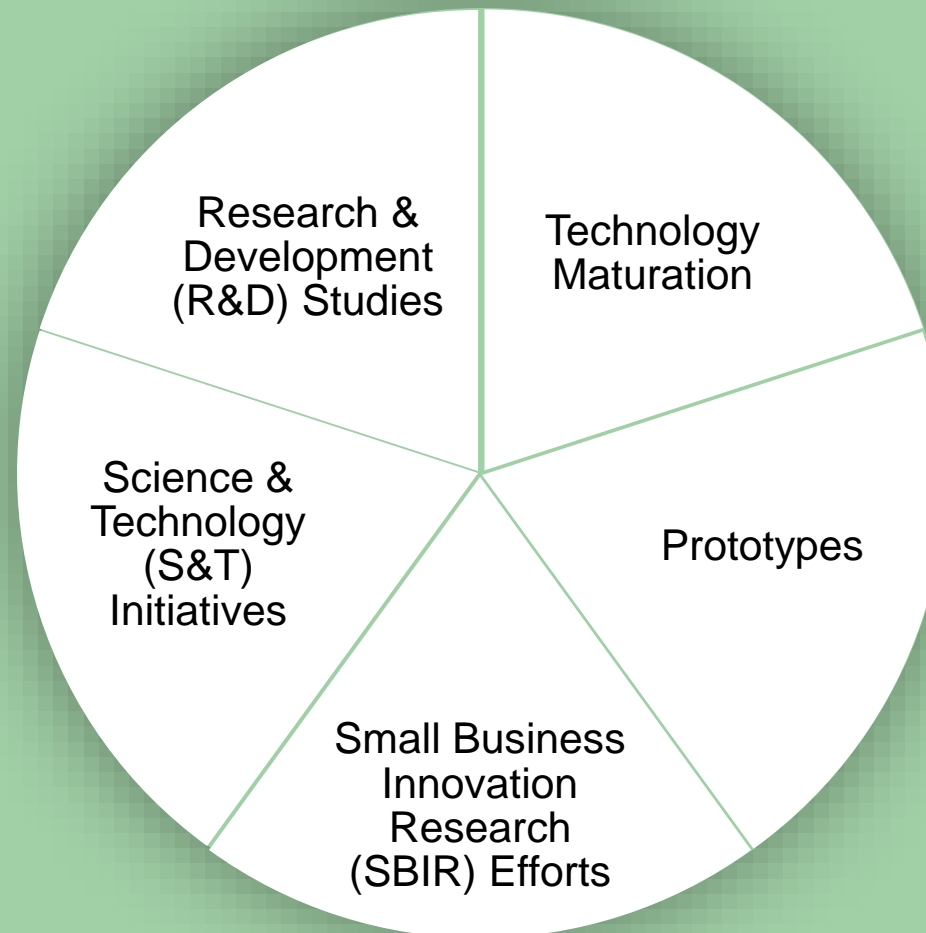
Basic research (budget activity 6.1)

Applied research (budget activity 6.2)

Advanced technology development
(budget activity 6.3)

Advanced component development
and prototypes (budget activity 6.4)

BAA COMMON APPLICATIONS



BAA BENEFITS



- Competition requirements satisfied on BAA level
- Award via various contracting mechanisms (OTA, FAR contract, Coop etc.)
- Proposals can be for ANY dollar amount or duration
- Awards can be made to large, small businesses, educational, non-profit, industry, and state or local governments
- Eliminates pre-solicitation phase from acquisition process (RFI, J&A, solicitation) Funding is not required for topic to be included in BAA
- Streamlined evaluation process based on technical merit increases flexibility to select innovative capability solutions
- Low maintenance, annual review required
- BAAs may be used to award FAR-based contracts or non-FAR based agreements

BAA RESTRICTIONS / LIMITATIONS



- Cannot acquire products in quantities
- Limited to basic and applied research (6.1, 6.2, 6.3, 6.4)
- Topic needs to be in BAA
- Not for specific systems or hardware solutions
- Not for system engineering or advisory services
- Not for production

BAA EVAL GUIDELINES FOR PROPOSALS



- Proposals submitted in response to this BAA will be evaluated using the factors listed below (in descending order of importance):
 - a. The overall scientific and/or technical merits of the proposal.
 - b. The potential contributions of the effort to the Army mission and the extent to which the research effort will contribute to balancing the overall GVSC research program.
 - c. The applicant's capabilities, related experience, facilities, techniques, or unique combinations of these, which are integral factors for achieving the proposed objectives.
 - d. The qualifications, capabilities, and experience of the proposed PI, team leader, or other key personnel who are critical to achievement of the proposed objectives.
 - e. The applicant's record of past performance.

BAA EVAL GUIDELINES FOR PROPOSALS



Pros

- Competition requirements satisfied on BAA level
- Can award via various contracting mechanisms (OTA, FAR, Cooperative Agreement etc.)
- Proposals can be for ANY dollar amount or duration
- Awards can be made to large, small businesses, educational, non-profit, industry, and state or local governments
- Eliminates presolicitation phase from acquisition process (RFI, J&A, solicitation)
- Funding is not required for topic to be included in BAA
- Low maintenance, annual review required
- Streamlined evaluation process, based on technical merit, increases flexibility to select innovative capability solutions
- BAAs may be used to award FAR-based contracts or non-FAR based agreements
- Low contracting fee

Cons

- Cannot acquire products in quantities
- Limited to basic and applied research (6.1, 6.2, 6.3, 6.4)
- Topic needs to be included in BAA
- Not for specific systems or hardware solutions
- Not for system engineering or advisory services
- Not for production

BAA ADMINISTRATIVE INFO



- GVSC BAA # W56HZV-24-A-003
- BAA is posted on SAM. Gov
- Open 01/02/2024-01/02/2027
- **AMO POC:** Katarzyna (Katie) Szkubiel, email: Katarzyna.k.szkubiel.civ@army.mil
- **AMO Mailbox email:** usarmy.detroit.devcom-gvsc.mbx.amo@army.mil

QUESTIONS?





COMMERCIAL SOLUTIONS OPENING (CSO)

Dave Daniels
Chief AMO
Acquisition Management Office

COMMERCIAL SOLUTIONS OPENING DEFINITION



- CSO is a competitive process to obtain solutions or new capabilities that fulfill requirements, close capability gaps, or provide potential technological advances.
- Section 803 of the FY22NDAA provided the DoD with permanent CSO authority, codified in 10 U.S.C. §3458 – Authority to Acquire Innovative Commercial Products and Commercial Services using General Solicitation Competitive Procedures.
- CSO procedures are similar to those for Broad Agency Announcements (BAAs), with the exception that a CSO can be used to acquire innovative commercial items, technologies, or services that directly meet program requirements, whereas BAAs are restricted to basic and applied research.
- For CSO purposes, innovation is defined as any technology, process, or method, including research and development that is new as of the date of proposal submission or any application of a technology, process, or method that is new as of proposal submission.

CSO ALLOWABLE S&T AREAS



Advanced technology development
(budget activity 6.3)

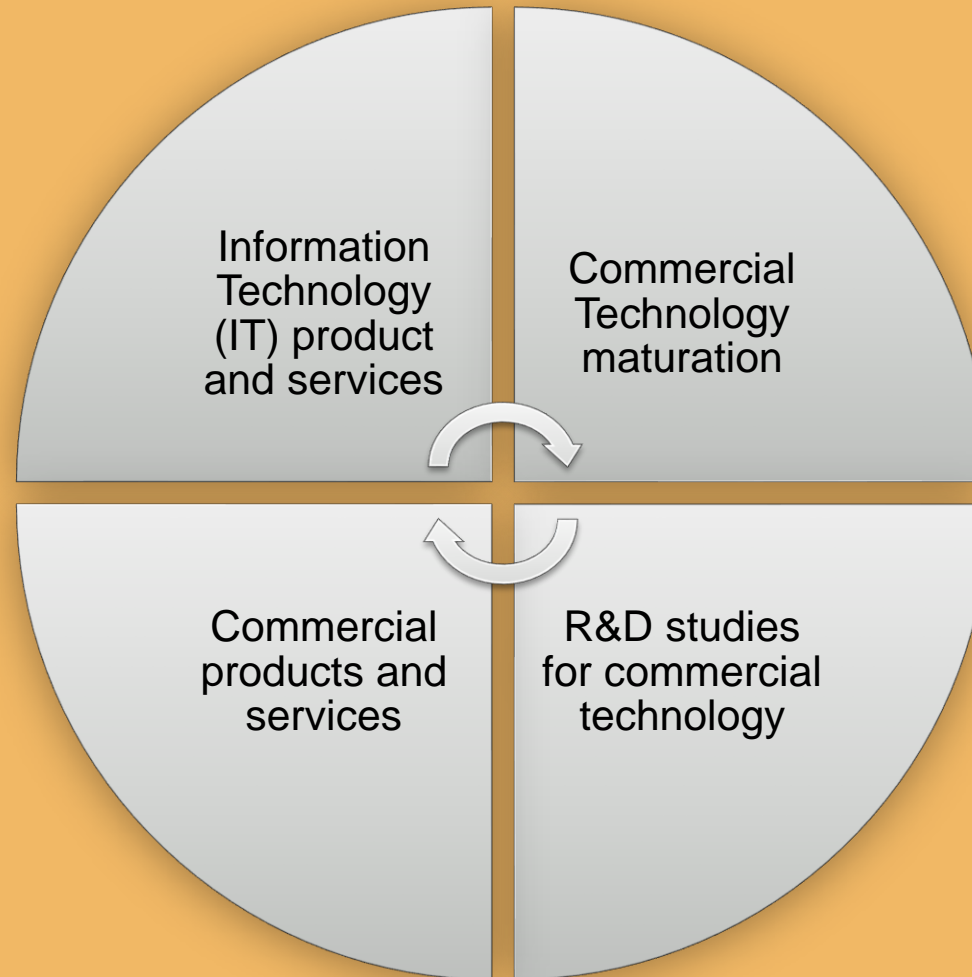
Advanced component development and
prototypes (budget activity 6.4)

System Development and
Demonstration (budget activity 6.5)

RDT&E Management Support (budget
activity 6.6)

Operational System Development
(budget activity 6.7)

CSO APPLICATIONS



CSO BENEFITS



- Enables the rapid selection of innovative commercial solutions
- Shorter eval timelines for solution briefs significantly reduce procurement lead times
- Competition requirements satisfied at CSO level
- Panel Pitch Option
- Proposals can be for ANY dollar amount or duration
- Award to: Large, small businesses, educational, non-profit, state or local govts
- Eliminates pre-solicitation phase from acquisition process (RFI, J&A, solicitation)
- Funding is not required for topic to be included in CSO
- Low maintenance, annual review required
- Low contracting fee
- Streamlined process for commercial tech = acquisition programs that deliver quickly
- Award via various contracting mechanisms

CSO LIMITATIONS/RESTRICTIONS



- Data rights and licenses of commercial technology increases burden on government to ensure specialized rights are well understood within the context of the commercial product life cycle
- Limited to fixed-price or fixed-price incentive contract arrangements
- Topic needs to be in CSO
- Awards >\$100 million require approval from USD A&S or military service acquisition executive
- Not for system engineering or advisory services
- Not for production

CSO EVAL GUIDELINES PHASE 1 SOLUTION BRIEFS



Solutions Briefs (Phase 1)

Solution brief evaluation criteria are listed in order of importance. Individual solution briefs will be evaluated against the evaluation criteria described below:

- 1) Responsiveness of the solution brief in addressing the Aol with a commercially available product and/or process readily available to meet immediate needs.
- 2) Technical Merit of the proposed solution, including the extent to which the proposed solutions is unique, and/or innovative to government applications
- 3) Extent to which funding is available

Solution briefs will be evaluated on the evaluation criteria above, not against other solutions briefs submitted in response to the same Aol. Additional technical evaluation criteria specific to a particular project may be used. In these instances, the additional criteria will be posted within or as an attachment to the Aol. Based on the results of the phase 1 evaluation, the government may elect to invite all, some or none of the proposals into phase 2 presentation or directly into phase 3 by requesting a Commercial Solutions Proposal (CSP).

CSO EVALUATION GUIDELINES FOR PHASE 2 PRESENTATIONS



Presentations (Phase 2)

Presentation brief evaluation criteria are listed in order of importance. Individual solution briefs will be evaluated against the evaluation criteria described below:

1. Level of relevancy of the solution in addressing the Aol with a commercially available product or process
2. The technical merit of the proposed solution adequately addressed the Aol need(s) and demonstrated feasibility for the government to pursue the proposed solution
3. Level of uniqueness, or innovative approach to solve the government's need
4. Level of technical risk or maturity
5. Level of risk placed with the proposed ROM
6. Level of risk in the proposed milestone schedule and its ability to meet the Aol need within a relevant time period
7. Level of risk in the company's viability and business solution
8. Level of potential risk in anticipated IP and data rights assertions

CSO EVALUATION GUIDELINES FOR PHASE 3 PROPOSALS



Proposals (Phase 3) Technical Proposal Volume

The technically volume shall include a detailed work plan indicating how each aspect of the objectives is to be accomplished. The tech volume should be in as much detail as the offeror considers necessary to fully explain its proposed technical approach or method, including all assumptions utilized in develop its proposed solution and associated costs.

- Proposal Eval Rating
 - a. **Acceptable:** The proposal has been evaluated and deemed appropriate for additional consideration and discussion. The proposal is generally considered well-conceived, scientifically or technically sound, and important to program goals and objectives. An acceptable proposal may proceed into negotiations or directly to the award process.

*Note: An acceptable rating does not guarantee contract award

- b. **Unacceptable:** The proposal has been evaluated and deemed inappropriate for additional consideration and discussion at this time. An unacceptable proposal will be rejected.

CSO EVALUATION GUIDELINES FOR PHASE 4 PROPOSALS

Pros

- Enables the rapid selection of innovative commercial solutions
- Shorter evaluation timelines for solution briefs significantly reduce procurement lead times
- Competition requirements satisfied at CSO level
- Ability for contractor's pitch before Government decides to pursue an effort
- Proposals can be for ANY dollar amount or duration
- Awards can be made to large, small businesses, educational, non-profit, industry, and state or local governments
- Eliminates presolicitation phase from acquisition process (RFI, J&A, solicitation)
- Funding is not required for topic to be included in CSO
- Ability to use streamlined procedures for commercial technologies provides opportunity for acquisition programs to deliver capability quickly
- Ability to award via various contracting mechanisms

Cons

- Data rights and licenses of commercial technology increases burden on government to ensure specialized rights are well understood within the context of the commercial product life cycle
- Limited to fixed-price or fixed-price incentive contract arrangements
- Topic needs to be included CSO
- Awards exceeding \$100 million require approval from USD A&S or military service acquisition executive
- Not for system engineering or advisory services
- Not for production

ADMINISTRATIVE INFO



- GVSC CSO # W912CH-24-S-0002
- CSO is posted on SAM. Gov
- Open (pending) 06/05/2024-06/05/2029
- **AMO POC:** Katarzyna (Katie) Szkubiel, email: Katarzyna.k.szkubiel.civ@army.mil
- **AMO Mailbox email:** usarmy.detroit.devcom-gvsc.mbx.amo@army.mil

QUESTIONS?





DEFENSE TECHNICAL INFORMATION CENTER (DTIC)

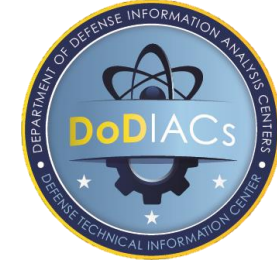
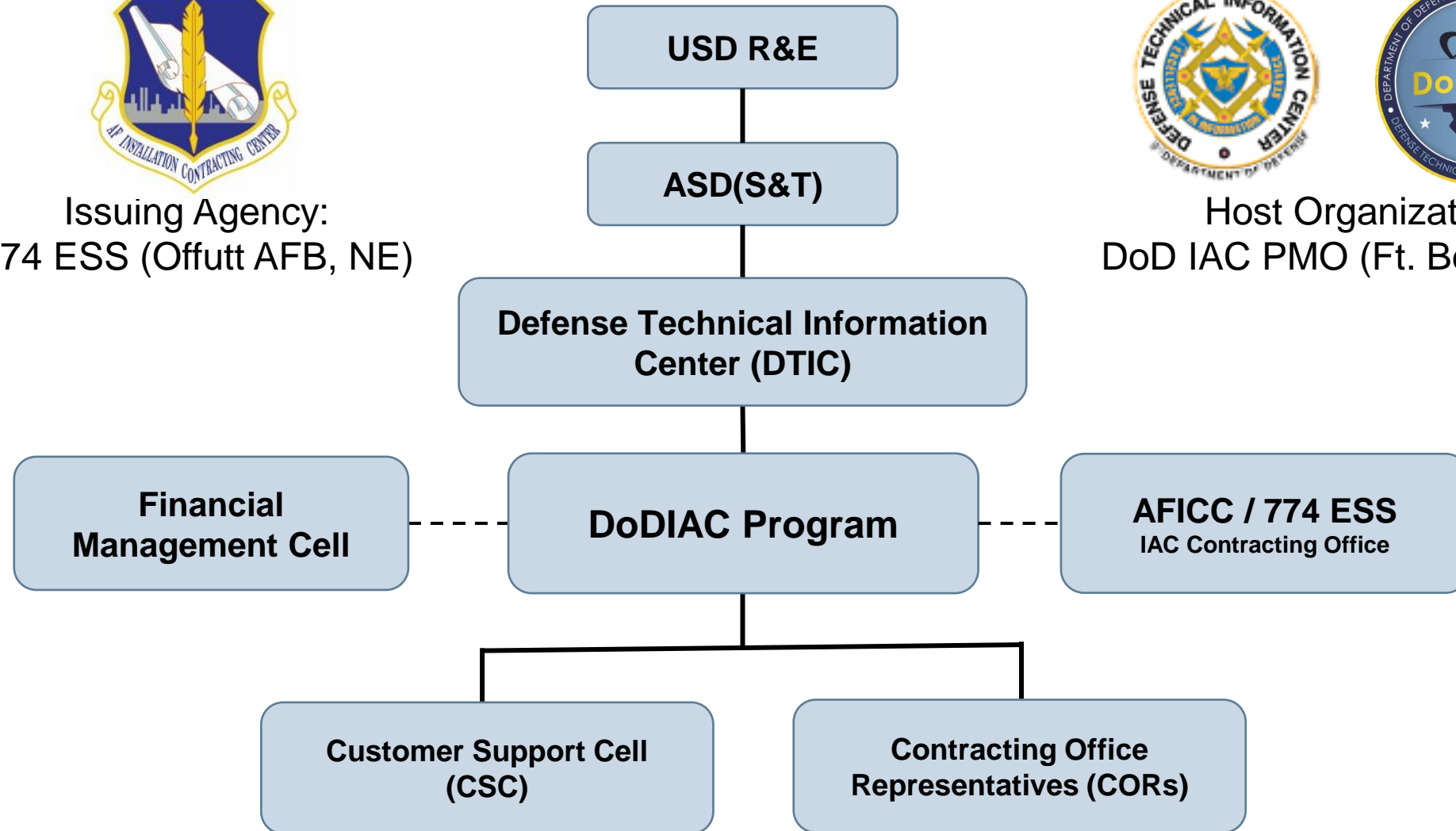
INFORMATION ANALYSIS CENTER MULTIPLE AWARD CONTRACT (IAC MAC)

Edwin Leathers
Procurement Specialist
Acquisition Management Office

IAC PROGRAM STAKEHOLDERS



Issuing Agency:
774 ESS (Offutt AFB, NE)



Host Organization:
DoD IAC PMO (Ft. Belvoir, VA)

DOD INFORMATION ANALYSIS CENTER (DODIAC) AND IAC MAC IDIQ



- The **IAC Multiple Award Contract (IAC MAC)** supports **Research, Development, Test, and Evaluation (RDT&E) projects** across 22 Technical Focus Areas (TFAs)
 - Provides research, analysis, development, test, and evaluation capabilities through flexible, low-cost Task Orders (TOs)

- **IDIQ PWS Representative Tasks**

Technical Development	Research and Analyses
Evaluation	Training (non-routine)
Plans and Frameworks	O&S Developmental Analysis
Implementation	General Subject Matter Expertise

- Outcome-based task orders **generate Scientific and Technical Information (STI) deliverables**
- IAC MAC scope is **not for routine operational and maintenance-type services**

Excellent vehicle for discovering new scientific and technical knowledge, not knowing the answer before you start, developing proofs of concept and prototyping

	Technical Focus Areas (TFAs)
Homeland Defense	• Homeland Defense & Security
	• Critical Infrastructure Protection
	• Weapons of Mass Destruction
	• Biometrics
	• Medical
	• Cultural Studies
	• Alternative Energy
	• CBRN
Defense Systems	• Weapons systems
	• Survivability and Vulnerability
	• Advanced Materials
	• Autonomous Systems
	• RMQSI
	• C4ISR Systems
	• Military Sensing
	• Directed Energy
	• Energetics
	• Non-lethal Weapons & Information Operations
Cyber & Info Systems	• Software, Data and Analysis
	• Cyber Security
	• Modeling and Simulation
	• Knowledge Management & Information Sharing

BREADTH OF SUPPORT



- The technical scope and representative tasks include work necessary for basic and applied research, RDT&E services, other R&D-related analytical services, and the development of doctrine, tactics or plans.
 - RDT&E services are described in Table 1-1 below and are used for the primary purpose of advancing scientific and technical knowledge or applying that knowledge to the extent necessary to achieve agency and national goals.
 - Other R&D-related analytical services may constitute scientific, engineering, studies, research and other technical advisory services incidental to a significant component of an R&D effort that is analytical in nature and results in STI.

TABLE 1-1: RDT&E SERVICES CATEGORIES

Per DFARS 235.001 “Research and development” means those efforts described by the RDT&E seven budget activity definitions found in the DoD Financial Management Regulation (DoD 7000.14-R), Volume 2B, Chapter 5.

BA 1, Basic Research

BA 2, Applied Research

BA 3, Advanced Technology Development (ATD)

BA 4, Advanced Component Development and Prototypes (ACD&P)

BA 5, System Development and Demonstration (SDD)

BA 6, RDT&E Management Support

BA 7, Operational System Development

IAC MAC SUMMARY



Gov't Program Office	DoD Information Analysis Center (DoDIAC) Program
Contracting Office	Air Force Installation Contracting Center (AFICC) / 774 ESS
Contract Vehicle Type	Indefinite Delivery Indefinite Quantity (IDIQ) Multiple Award Contract (MAC)
Customers/GVSCs	All Government Agencies (DoD and Federal). State, local, and private entities may use the contract as long as they are registered DoDIAC users.
Total Contract Ceiling	\$48B
IDIQ Ordering PoP	9/30/2018 – 09/29/2029
Contract Types	CPFF (Most), FFP, & FFP LOE
Pool Structure	Pool 1 – Full and Open (FO): 22 Scope Areas Pool 2 – SB Set-Aside: 22 Scope Areas (total work valued <\$15M) Pool 3 – FO: 1 Scope Area (CBRN work requiring CBRN lab or facility)
NAICS / SB Size Standard	541715, Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology) – 1,000 Employee threshold.
Small Business Participation	Pool 1 task orders require 13% (total) small business utilization

IAC MAC TASK ORDER SUMMARY



Task Order Purpose	Provide studies, analysis, engineering, prototyping, and technical services that generate scientific and technical information (STI) to be available for reuse by the wider R&D Community of Interest (COI)
Task Order Duration	60-month max, performance up to 60 months past end of ordering period
Procurement Action Lead Times (PALT)	9 Months (average 90 days to develop FOPR package, 5 months from FOPR release to award, includes 30-day proposal response)
Proposal Competitions	Tradeoff or Lowest Price Technically Acceptable (LPTA): RA choice
Funding	All types of funding; incremental funding allowed
Place of Performance	Worldwide
Security Level	All - Unclassified, Secret, TS, TS/SCI, SAP/SAR
Usage Cost	The DoDIAC Customer Shared Direct Cost (CSDC) - Reviewed annually and provides for assisted acquisition. Current CSDC found on IAC website
Gov't Information	IAC Website: https://dodiac.dtic.mil/

DTIC MIPRS PRO/CONS



Pros

- Fast, flexible, and low cost (DTIC Fee = ~1% (0.40% FY25))
- Incremental Funding for severable orders
- Up to 5-year (60month) Task Order PoP
- No minimum or maximum task order ceiling
- Allows all contract types
- Encompass Classified and Unclassified
- CONUS and OCONUS (Including in-theater and contingency operations areas)
- Up to 70% of contract ceiling can be used for subcontracting

Cons

- Pass Thru fees for subcontracting
- Unique 7600a, for each contract, required for non-GVSC customer

QUESTIONS?





TECHNICAL ENGINEERING SERVICES (TES)

Tera Caruso
Procurement Specialist
Acquisition Management Office

BASE IDIQ & TASK ORDER



- W56HZV-23-D0017 = Base Indefinite Delivery Indefinite Quantity (IDIQ) Contract.
(The general SOW and the “menu” of services of authorized contract work can be found in the Base IDIQ Contract.)
 - Scope: Technical & Engineering Services to assist GVSC in In-Service Engineering & Science & Technology Missions. These missions emphasize technical engineering services for Program & Program Managers within Program Executive Office Ground Combat Systems and Program Executive Office Combat Support & Combat Service Support.
 - Contract Type: Hybrid – Cost Plus Fixed Fee/Cost No Fee
 - Work Directive: Task Order
 - Contractor: DCS Corp.
 - Awarded: April 28, 2023
 - Expires: April 27, 2030

AWARD TIMELINES / POCs



Timing

No language changes: If package is received NLT 1st of month, ACC ~award by EOMonth

MODs: planned to be awarded once a month

Language or scope changes: Award estimated at 45-60 days

ACC PCO, Buyer & COR

PCO (Procurement Contracting Officer)*: David DiRoma

CORs (Contracting Officer Representative)/Buyers:**

- 1) Natasha Gray & Richard Kreiner/Andrew Pokorski (SEC: W56HZV24F0024)
- 2) Natasha Gray & Richard Kreiner/Natalie DeBoer (Misc. TO: W56HZV24F0025)
- 3) Carl Middelswart/Eda Willer (Army Watercraft TO W56HZV24F0026)
- 4) Dmitri Nguyen/Eda Willer (GVR TO W56HZV24F0027)
- 5) Carl Middelswart/Julie Jenkins (VEA Core TO W56HZV24F0028)
- 6) Carl Middelswart/Eda Willer (VEA Matrix TO W56HZV24F0029)
- 7) Dmitri Nguyen/Andrew Pokorski (GVR Aviation TO W56HZV24F0050)
- 8) Elena Hunt/Julie Jenkins (GVSP TO W56HZV24F0051)
- 9) Scott Szczesny & Richard Kreiner/Andrew Pokorski (PIF TO W56HZV24F0068)
- 10) Richard Kreiner/Julie Jenkins (AF TO W912CH-24-F-0194)

*The individual authorized to enter into contracts on behalf of the government.

**The COR performs technical monitoring and oversight of contract requirements "The eyes & ears of the contract."



TECHNICAL AREAS, BY TASK

Ground Vehicle Robotics (GVR) Tasks:

- Autonomy Strategy
- Robotic Programs of Record Support
- GVR Project Support
- Warfighter Machine Interface (WMI)
- Robotic Safety
- Autonomy Software
- Cybersecurity
- Robotics Architecture
- Robotic Integration
- Robotic Combat Vehicle Development
- Artificial Intelligence & Machine Learning
- Experimentation, Test & Evaluations
- Software Product Line Trainings

Ground Vehicle Survivability & Protection (GVSP) Tasks:

- Program Administration
- Ballistic Protection
- Budget & Funding Reporting



Vehicle Electronics & Architecture (VEA) Tasks:

- Ground Vehicle Power & Data Architecture
- Electronics & Power Systems
- Embedded Software
- Integration & Testing of Electronics
- Distribution & Management of Electrical Power Software
- Testing & Services for Electromagnetic Environmental Effects (E3)
- Testing of Electromagnetic Interference (EMI)
- Furnishing of CONUS & OCONUS Field Service Reps (FSR)
- Performing Forward-Site-Integration & Vehicle Maintenance
- Information Systems Security
- Mechanical Engineering
- Security Engineering
- Systems Engineering

Software Engineering Center (SEC) Tasks:

- Program Management Support
- System Integration Laboratory (SIL) Support
- Test Support
- Software Architecture Support
- Software Development Support
- Software Engineering Process Group Support
- Configuration Management Support
- Software Safety Support
- Software Quality Assurance
- Business management Support
- Lifecycle Engineering Support
- Acquisition Support



TECHNICAL POINT OF CONTACT (TPOC) ROLE

- **Lead collaboration w/ DCS partners prior to routing package to COR(s)**
- **Write/Submit Supplemental SOW attachments as necessary**
- **Manage their programs/projects**
 - SME of all execution of TO-Project
 - Monitor financial deliverables
 - Engage frequently w/ DCS TO-Project Lead(s)
- **Approve Material and Travel requirements**

SUPPLEMENTAL SOW ATTACHMENT TO PROJECT SUPPLEMENTAL SOW



**NEEDED, IF BASE SOW DOESN'T
CAPTURE ALL DETAILS/EXPLANATION
(TPOC & COR DECIDE IF NEEDED)**

Task Order Project Supplemental Scope of Work

IDIQ Contract #: W56HZV-23-D-0017
 Task Order #: W56HZV-24-F-XXXX
 Task Order Project Base CLIN: XXXX
 Attachment # and Title: XXXX, ... (Note: The title should indicate "who" the work is being performed for, such as the group or program office, and "what" the work entails. For example, "VEA Matrix Support for PM Abrams")

Revision #: XXX (Note: Revisions should only be processed for a change in the objective, the supplemental scope for the Task Order Project, GFM, or approved travel locations. Changes to funding or the period of performance that do not include any changes to the language of the attachment should not be processed as a revision)

COR: Should be based on the Task Order #. Current CORs are Carl Middleswart (VEA), Dmitri Nguyen (GVR), Natasha Gray (SEC and Misc.), or Richard Kreiner (SEC and Misc.)

TPOC:

Severability: Either Severable or Non-severable (Note: Consult with your contract specialist before indicating which one it is. Once it is determined at initial award of the supplemental scope, it will not change across revisions)

Place of Performance: XX

Period of Performance: Start Date to End Date (Note: The Start Date will stay the same across revisions. The End Date can be extended out as needed, but must be mindful of the "Bona Fide Need" statute. A pure period of performance extension does not require a revision)

IDIQ and TO SOW References: XX (Note: These should be references to the base contract's scope or the overarching TO's scope to delineate what sections under the scope that this supplemental scope falls under and enhances with additional details)

OBJECTIVE:

TASKS:

Task 1:

1.1



Select the appropriate drop-down selection in the Technical and Engineering Services (TES) Government Cost Estimating Tool Drop Down Menu (GCE). CORs need to know PRON number, labor category that needs to be funded, and the number of hours for each labor category that is being bought. TPOC will have to input the appropriate hourly rate and fee rate. The GCE will calculate the total cost. ACC is working on updating the GCE to make it more automated for future, but it is not yet ready. The ordering period rates for each year of the contract can be found on the tabs at the bottom of the GCE.

Under the anticipated task of the GCE, identify which task group is appropriate. If the task group has not been identified with the appropriate C sections in the TO, then please refer to the TES Contract Task Selection and put in the appropriate C sections that apply. There are pre mark sections in the TES Contract Task Selection that will apply across the board and do not need to be called out in the Anticipated Tasks of the Technical and Engineering Services (TES) Government Cost Estimating Tool Drop Down Menu.

[illegible]

DCS CORP



Who We Are

- DCS is a 100% Employee-Owned Company. DCS provides engineering, programmatic, and technical support services to the Department of Defense and other customers focused on national security. As employee owners, we recognize that hiring and retaining the best talent is crucial to our mission. Our focus on personal growth and continual improvement is consistent with our corporate goals of professional and business excellence.
- DCS stands on our core values of being an employee-oriented company, offering quality services with integrity and honor. DCS' commitment to the highest levels of ethics, integrity and excellence is of central importance in all that we do.

How to Work with DCS

- Visit our website at DCSCORP.COM for more information about DCS.
- Register with our online Small Business Program at dcscorp.com/dcs-corporation-small-business-program. Small businesses and suppliers interested in conducting business with DCS, should fill out the [Vendor Information Sheet](#) and return it to our Small Business Office at SmallBusinessProgramOffice@dcscorp.com

To discuss TES collaboration opportunities, please contact one of the Program Management leads below:

Jim Belcher
VP, Ground Vehicle Systems Division
Phone: 781-419-6382
jbelcher@dcscorp.com

Brian Wood
VP, Ground Vehicle Robotics Division
Phone: 571-227-6299
bwood@dcscorp.com

QUESTIONS?





WAS 10 USC 2373
NOW 10 USC 4023

Tera Caruso
Procurement Specialist
Acquisition Management Office

10 US CODE 4023 PROCUREMENT FOR EXPERIMENTAL PURPOSES



(a) **Authority.**— The Secretary of Defense and the Secretaries of the military departments may each buy ordnance, signal, chemical activity, transportation, energy, medical, space-flight, telecommunications, and aeronautical supplies, including parts and accessories, and designs thereof, that the Secretary of Defense or the Secretary concerned considers necessary for experimental or test purposes in the development of the best supplies that are needed for the national defense.

REQUIRED INFORMATION/DOCUMENTS: (PER ACC-DTA)



- Description of the item(s) to be purchased and dollar amount of purchase
- Description of the method of test/experimentation
- The quantity to be tested
- Definitive statement, that the use of the authority is determined to be appropriate for the acquisition
- Contractor Quote (along with a statement of how we received the quote)
- Funding Document (i.e. SPS PR)



PROCUREMENT FOR EXPERIMENTAL PURPOSES - Q&A'S:

- **Why use a 4023?**

- Meant to provide speed and flexibility the government needs for innovative research and development.
- Provides flexible and fast vehicle to use to acquire products inside and outside of the US.
- Good for try-then-buy, experimentation, operational assessments, technical evaluation, assessment of operational utility, safety, residual operational capability.

- **How is a 4023 awarded?**

- It can be competitive or non-competitive and awarded using a contract or agreement (ACC-DTA uses an Other Transaction Agreement for the award mechanism).
- FAR & DFARS are not applicable.
- Does not require a sole source J&A, only a D&F (produced by the Contract Specialist, based on the required documents GVSC provides).

- **How long does it take to award a 4023?**

- Takes approximately 3-6 months to award.

- **Can I buy equipment needed for my inventory via 4023?**

- This statute is NOT for inventory, buy only what you need to test or experiment.
- A **4023** is good for try-then-buy, experimentation, operational assessments, technical evaluation, assessment of operational utility, safety, residual operational capability.

- **What color of money must I use?**

- Normally, this authority uses RDT&E funds or O&M funds. The statute doesn't dictate particular funding, but rather is determined by fiscal law. If you use RDT&E, the intent of the purchase and wording of documentation must match RDT&E.

10 US CODE 4023 PROS/CONS (PER ACC-DTA)

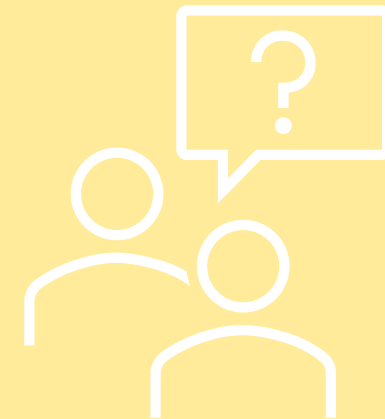
Pros

- Competitive or non-competitive
- Awarded using a contract or agreement
- FAR and DFARS not applicable
- Flexible and fast vehicle to use to acquire products outside of the US

Cons

- Requires experienced staff. Lack of guidance and processes can challenge inexperienced staff.
- Lack of guidance can lead to differences in interpretation, resulting in different command specific requirements.
- Lack of guidance and established precedent increases risk to the government.

QUESTIONS?





DETROIT ARSENAL INNOVATION (DAI) OTHER TRANSACTION AGREEMENT (OTA)

Rachel Serra
OTA Strategic Lead (New Projects)
Acquisition Management Office

WHAT IS A PROTOTYPE OTA?

A Prototype OTA is

- For prototype projects that are directly relevant to enhancing the mission effectiveness of personnel of the Department of Defense or improving platforms, systems, components, or materials proposed to be acquired or developed by the Department of Defense, or to improvement of platforms, systems, components, or materials in use by the Armed Forces
- A legally binding instrument
- An instrument that allows for negotiation of intellectual property and flexible payment provisions (payable milestones)
- Customizable to fit desired acquisition strategy

A Prototype OTA is NOT

- A Federal Acquisition Regulation (FAR) procurement contract, grant or cooperative agreement
- For acquisition of production quantities, engineering services, testing, construction, operations and maintenance activities, or equipment installation
- Subject to mandatory cost accounting standards

PROTOTYPE OTA REQUIREMENTS

Must be for a prototype project

- A “prototype project” addresses:
 - a) A proof of concept, model, or process, including a business process
 - b) Reverse engineering to address obsolescence
 - c) A pilot or novel application of commercial technologies for defense purposes
 - d) Agile development activity
 - e) The creation, design, development, or demonstration of operational utility; or
 - f) Any combination of subparagraphs (a) through (e)

Requires either significant participation by Nontraditional Defense Contractor (NDC) or Resource Share

Requires approval prior to award

HISTORY OF THE OTHER TRANSACTION AUTHORITY

Leveraging Industry

Innovative acquisition approach that speeds the cycle for research and development, prototyping and production with a technology or mission area focus.



GVSC OTHER TRANSACTIONS: CONSORTIUM APPROACH



The Ground Vehicles System Center (GVSC) manages the Detroit Arsenal Innovation Other Transaction Agreement (DAI OTA) with The National Advanced Mobility Consortium (NAMC)

- A 'Consortium' is defined as an organization of several businesses joining together as a group for a shared purpose.

Benefits to the Consortium model are:

- Establishes business and governmental relationships that otherwise may not have occurred
 - Allows for Government/Industry to communicate in one forum
 - Leveraging Industry-wide capabilities
 - Better understanding of Government (and Industry) needs/priorities/challenges
 - Effective competition can be maintained



At NAMC, we are an industry led 501c3 and we vet our nationwide members to have the capabilities you need to support your projects.

All NAMC members have an active DD2345 (support CUI data), are US based organizations, and contribute directly to at least one of the technology areas highlighted in the DAI OTA.

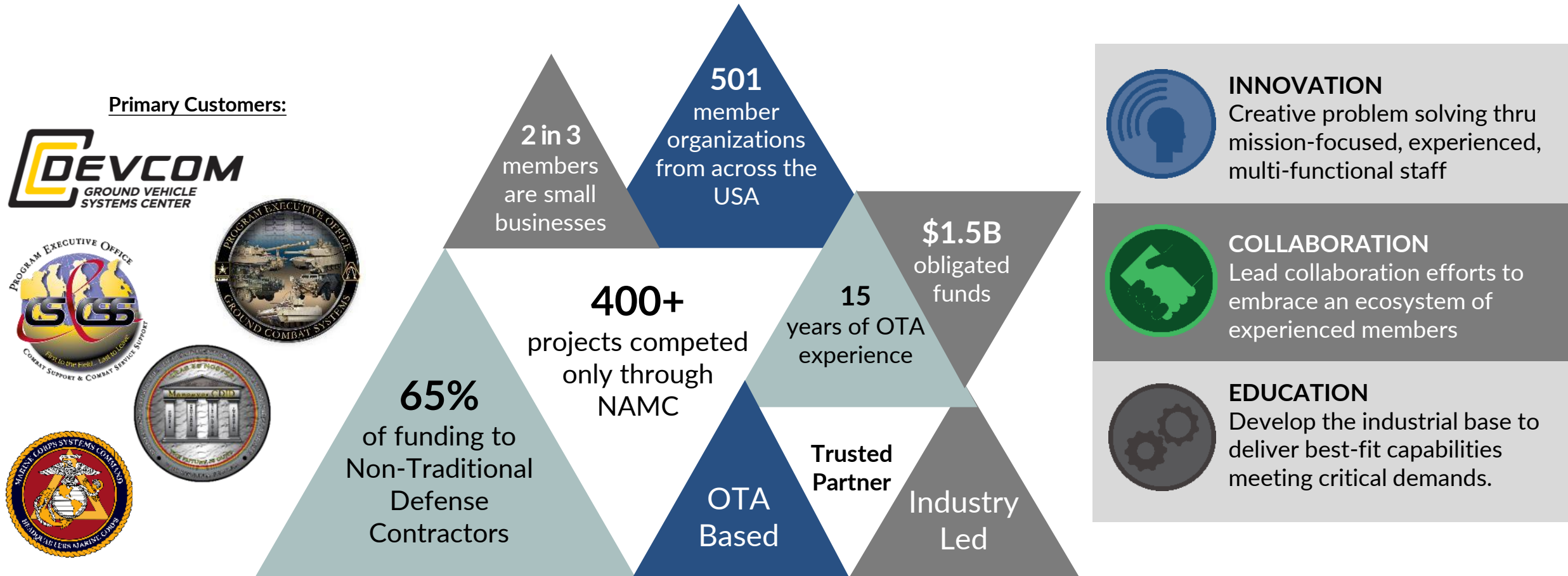


Why OTAs

- Access to skilled non-traditional contractors
- Collaborate with Industry to get the best result
- Not subject to FAR based contracting
- Increased agility and flexibility
- Facilitates networking and teaming among membership
- Generates significant Nontraditional Defense Contractor (NDC) and small business participation in meaningful research and development efforts

Learn more about OTAs by reading the [Defense Acquisition University's Other Transaction Guide](#).

NAMC | BY THE NUMBERS



The National Advanced Mobility Consortium (NAMC) is a 501(c)(3) Non-Profit Corporation that is comprised of U.S. innovators dedicated to the development of ground manned and unmanned autonomy-enabled military technologies for the U.S. warfighter.

DETROIT ARSENAL INNOVATION (DAI) OTHER TRANSACTION AGREEMENT (OTA)

Awarded 1 September 2023

5 Year Base Period of Performance

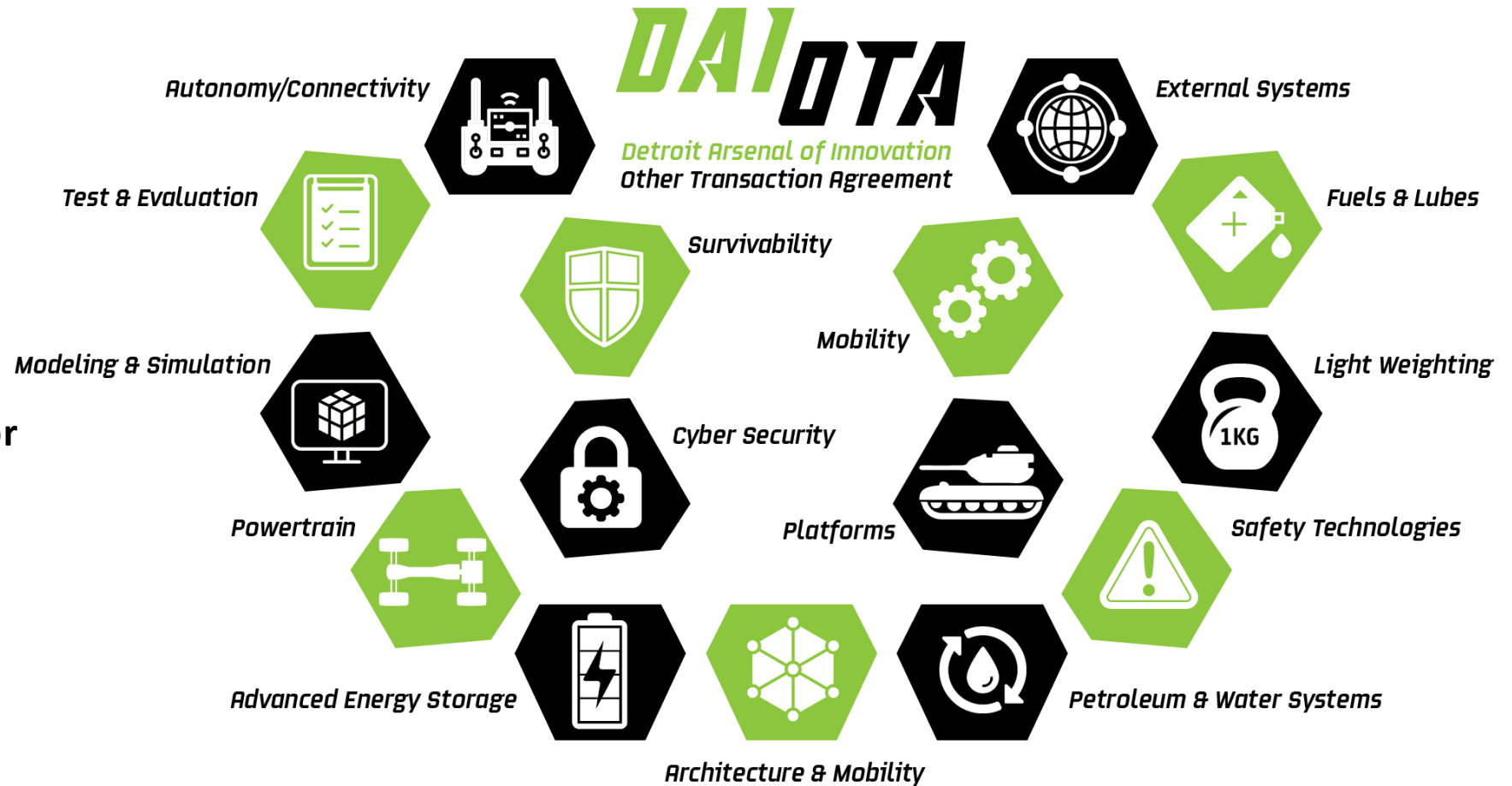
5 Option Years

\$2.5B Ceiling (\$250M Annual)

Customer Focused to all DoD

New “Collaboration” Events for Government Customers

- Demos
- Defense Innovation Workshops
- Industry Days



DISTRO STATEMENT PLACEHOLDER

TYPES OF PROJECT AWARDS

Annual Plan

These prototype projects are solicited once per year and include the following year's projects of interest to the Government. Project requests can be funded or unfunded.

All proposals submitted against the Annual Cycle will either be awarded with funding, sent to the electronic basket (acceptable-rated proposals only), or discarded as an unacceptable solution to the project.

Projects with acceptable rated proposals can be pulled for up to three years, when funding becomes available. These projects will have follow-on production associated with them.

Ad Hoc Projects

These are un-forecasted walk-up awards. These are typically high dollar/complex projects that include provisions for follow-on production.

Ad Hoc projects must have funding available within the FY they are solicited. Unique strategies are based on customer requirements.

Some examples may include:

- Request for Prototype Proposal
- Request for White Papers
- Pitch Day
- Fly Off/Tech Demo
- Race Day
- Panel Pitch, etc.

SBIR Phase III Efforts

These are for the continuation of SBIR Phase I or II projects; must include prototyping requirements, fall under the technology areas of the OTA, and show a logical path from a previous DoD funded SBIR.

Task Requests and Collaboration Events

These are awarded directly to the consortium for technology or market research demonstrations, soldier touchpoints/workshops or other event-based projects.

Task Requests are special cases where the Government would like to use a collaborative environment to meet a prototyping requirement.

Instances include architecture framework development, as well as shaping requirements.

COLLABORATION EVENTS

Defense Innovation Workshop	Members leverage end-user-centric Design principles, develop, evaluate, refine, and deliver multiple prototype design concepts reflecting the state-of-the-art applicability, as well as desired end state of a future technology.
Mission Driven Innovation (MDI) Study	An operational task decomposition of a targeted Military problem that identifies the challenges Warfighters experience while conducting a specific mission
Market Research Demonstration	Conduct a demonstration of specific technologies with technical and operational utility in a controlled environment and context supporting current or anticipated development efforts
Technical Workshop	Moderated collaborative workshop with key Member Industry performers to develop and refine concepts and strategies
Industry / Government Collaborative Event	Engagement between Consortium Members and the Government to support early stages of requirement development
Pitch Competition	Provide a forum for Industry to pitch innovative technologies the Government, earn prize money supporting future investment, and identify potential funding opportunities to tackle DoD challenges as determined by the Government. May run in parallel with a Government solicitation (RPP).

DISTRO STATEMENT PLACEHOLDER

GVSC AMO OTA CONTACT INFORMATION



Rachel Serra
OTA Strategic Lead (New Projects)

Katie Miller
OTA Execution Lead (Existing Projects)

AMO OTA Mailbox: usarmy.detroit.devcom-gvsc.mbx.ota@army.mil

QUESTIONS?





STAND ALONE OTA

Derek Dycio
Procurement Specialist
Acquisition Management Office

STAND-ALONE OTA?



What is a Stand-Alone OTA?

- A stand-alone OTA is any agreement under the authorities of 10 U.S.C. 4022, that is not managed by one of the consortia and is not governed by the terms and conditions of the base agreements awarded to the consortia.
- For direct/sole source efforts (consortium utilize competition almost exclusively)

<u>Statute</u>	<u>How it's Used</u>
4022	Prototypes

AUTHORITY CITATION



10 U.S.C. 4022(a)(1):

- Subject to paragraph (2), the Director of the Defense Advanced Research Projects Agency, the Secretary of a military department, or any other official designated by the Secretary of Defense may, under the authority of section 2371 of this title, carry out prototype projects that are directly relevant to enhancing the mission effectiveness of military personnel and the supporting platforms, systems, components, or materials proposed to be acquired or developed by the Department of Defense, or to improvement of platforms, systems, components, or materials in use by the armed forces.
- All requirements under the citation apply to Stand-Alone OTAs
 - Significant participation by Nontraditional Defense Contractor (NDC) or Resource Share
 - Production

FLOW CHART – SOLE SOURCE STAND-ALONE



Market Research/Identify Acquisition Approach

- Description of program, market research, risk assessment. T&Cs of OTAs, Explanation of Limited Competition; Determination & Findings (D&F) Includes sole-source basis;

Issue Solicitation / Draft OTA (legal approval)

- Draft OTA includes SOW/PWS and all T&Cs not including IP
- Official Solicitation includes IP Legal T&Cs

Receive Proposal / ROM

- Finalize SOW/PWS Develop USG SOW and Procurement Package (Initiate DD254, Pre award survey, AOR assignment)

Negotiate

- Finalize SOW/PWS with contractor
- Agree on terms/cost (including data rights)
- Fair and Reasonable Price Determination
- Complete D&F (if not previously done)

Award

- Sign OTA
- Report award (FPDS-NG)

Average ~270 days from start to finish.

COMPARISON



FAR	OTA
Market Research	Tailored / Diligence Package / Basis for Sole-Source
Requirements	Fixed or Semi-Fixed at Solicitation Collaborative
Solicitation	Draft OTA with Scope and T&Cs (minus IP) Final Scope and T&Cs (including IP)
Negotiation	Project Structure / Price / T&Cs /Data Rights
Award	Tailored Agreement

STAND-ALONE PROS AND CONS



Pros

- No pass-through fees
- Fast Obligation
- Ability to go sole source
- Streamlined process
- Classification Level

Cons

- No follow on production without competition
- Possibly longer than consortia OTA due to additional documents required
- Additional work for ACC

QUESTIONS?



THANK YOU.



BACKUP

BASIC RESEARCH (6.1)



Budget code: 6.1 Basic Research

Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
Automotive Research Center (ARC)	University of Michigan	W56HZV-24-2-0001	Cooperative Agreement (CA)	2024-2028	Automotive Research, Modeling & Simulation
Broad Agency Announcements (BAA)	Various	W56HZV-24-A-0003	BAA	2024-2029	Basic and Applied Research
Clemson	Clemson University	W56HZV-21-2-0001	CA	2021-2026	On and Off-Road Autonomy for Multi-Scale Vehicle Fleets; Ground Vehicle Power Systems Architecture; Novel Approaches/Materials for Energy Conversion/Storage; Control methods and Integration for Energy-Effective Operation; Digital Engineering and Virtual Prototyping for Autonomy-Enable Ground Vehicle Systems
Wichita State University (WSU)	Wichita State University (WSU)	New (Award = TBD) JKKNZLNJLJ19	CA	2025-2030 2022-2027	Development of Ground Vehicle Parts for Advanced Manufacturing Processes and Materials; Material Development and Process Control for Advanced Manufacturing Processes; Rapid Qualifications of Materials and Parts for Advanced Manufacturing Process; Implementation of an Integrated Digital Environment for Digital Twin Development and Sustainment



APPLIED RESEARCH (6.2)

ADVANCED TECHNOLOGY DEVELOPMENT (6.3)

Applied Research (6.2)

Advanced Technology Development (6.3)

Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
Automotive Research Center (ARC)	University of Michigan	W56HZV-19-2-0001	Cooperative Agreement (CA)	2019-2023	Automotive Research
Commercial Technologies for Maintenance and Sustainment (CTMA)	National Center for Manufacturing Services (NCMS)	HQ0034-20-2-0007	CA	2020-2025	Armored Vehicles, Trucks, Trailers, Kitted System Upgrades (Survivability Mobility Suite, etc.); AFC CFT Supported Initiatives; Vehicle Protection Systems; Power, Energy, etc.; Software, Electronics, Big Data, Cyber, Network Integration; Robotic/Autonomous Systems; Condition Based Maintenance, Vehicle Health Management; Technical Manuals, Process and Incremental Improvements; Sustainment and Obsolescence
Clemson	Clemson University	W56HZV-21-2-0001	CA	2021-2026	On and Off-Road Autonomy for Multi-Scale Vehicle Fleets; Ground Vehicle Power Systems Architecture; Novel Approaches/Materials for Energy Conversion/Storage; Control methods and Integration for Energy-Effective Operation; Digital Engineering and Virtual Prototyping for Autonomy-Enable Ground Vehicle Systems
Wichita State University (WSU)	Wichita State University (WSU)	JKKNZLNYLJ19	CA	2022-2027	Development of Ground Vehicle Parts for Advanced Manufacturing Processes and Materials; Material Development and Process Control for Advanced Manufacturing Processes; Rapid Qualifications of Materials and Parts for Advanced Manufacturing Process; Implementation of an Integrated Digital Environment for Digital Twin Development and Sustainment



APPLIED RESEARCH (6.2)

ADVANCED TECHNOLOGY DEVELOPMENT (6.3) PG 2

Applied Research (6.2)

Advanced Technology Development (6.3)

Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
Broad Agency Announcements (BAA)	Various	N/A	Broad Agency Announcements (BAA)	2022-2027	Basic and Applied Research
TES	DCS Corp	W56HZV-23-D-0017	Contract	2023-2030	Technical and Engineering Services
Michigan Technological University	Michigan Technological University	W56HZV-19-C-0053	Contract	2024-2029	Place of Performance Completed at Keweenaw Research Center (KRC) R&D related to Survivability, Assured Mobility & Maneuver Support Material Solutions
Commercial Solutions Opening (CSO)	Various	W912CH-24-S-0002	Various	2024-2029	Advanced technology development
10 USC 4023 (Procurement for Experimental Purposes)	Various	Various	10 USC 4023 (Procurement for Experimental Purposes)	Various	The Secretary of Defense and the Secretaries of the military departments may each buy ordnance, signal, chemical activity, transportation, energy, medical, space-flight, telecommunications, and aeronautical supplies, including parts and accessories, and designs thereof, that the Secretary of Defense or the Secretary concerned considers necessary for experimental or test purposes in the development of the best supplies that are needed for the national defense.
MITRE	The MITRE Corporation	W56KGU-18-D-0004 /W56KGU-22-F-0017	Federally Funded R&D Centers (FFRDCs)	2018-2028	Robotics and Autonomy

DEMONSTRATION AND VALIDATION (6.4)



Demonstration and Validation (6.4)

Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
ASRC	ASRC Federal Field Services	W56HZV-21-D-L042	Contract – 8(a)	2021-2026	Center for System Integration
TES	DCS Corp	W56HZV-23-D-0017	Contract	2023-2030	Technical and Engineering Services
Commercial Solutions Opening (CSO)	Various	W912CH-24-S-0002	Various	2024-2029	Advanced component development and prototypes, System Development and Demonstration, RDT&E Management Support, Operational System Development (6.4-6.7)

ENGINEERING AND MANUFACTURING (6.5)



Engineering and Manufacturing Development (6.5)					
Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
TES	DCS Corp	W56HZV-23-D-0017	Contract	2023-2030	Technical and Engineering Services
Commercial Technologies for Maintenance and Sustainment (CTMA)	National Center for Manufacturing Services (NCMS)	HQ0034-20-2-0007	Cooperative Agreement (CA)	2020-2025	Armored Vehicles, Trucks, Trailers, Kitted System Upgrades (Survivability Mobility Suite, etc.); AFC CFT Supported Initiatives; Vehicle Protection Systems; Power, Energy, etc.; Software, Electronics, Big Data, Cyber, Network Integration; Robotic/Autonomous Systems; Condition Based Maintenance, Vehicle Health Management; Technical Manuals, Process and Incremental Improvements; Sustainment and Obsolescence

RDT&E MANAGEMENT SUPPORT (6.6)



RDT&E Management Support (6.6)					
Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
ASRC	ASRC Federal Field Services	W56HZV-21-D-L042	Contract – 8(a)	2021-2026	Center for System Integration
Automation Alley	Automation Alley	W56HZV-18-C-0184	Contract	2018-2023	Sustainment, Obsolescence & Reverse Engineering
TES	DCS Corp	W56HZV-23-D-0017 W56HZV-17-C-0062 (prev.)	Contract	2023-2030	Technical and Engineering Services
Women Own Build to Print	313 Industries Inc. Mettle Craft Mfg. LLC Milton Mfg., Inc. Rose-A-Lee Technologies	W56HZV-20-D-L001 W56HZV-20-D-L002 W56HZV-20-D-L003 W56HZV-20-D-L004	Contract - MA-IDIQ	2020-2025	Build and Fabrication of Parts, Components and Assemblies

OPERATIONAL SYSTEM DEVELOPMENT (6.7)



Operational System Development (6.7)

Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
TES	DCS Corp	W56HZV-23-D-0017	Contract	2023-2030	Technical and Engineering Services
GVSL TES	DCS Corp	W56HZV-23-D-0017 TO #: TBD	Contract	2023-2030	Technical & Programmatic Engineering Support Services
Jacobs Maintenance	Jacobs Technology Inc.	W56HZV-22-C-0017	Contract	2021-2024	Maintain and repair GSPL equipment and fix catastrophic failures for Building 212 and 212 B
G-9 Lab Calibration	Novastar Solutions	W56HZV-22-D-L012	Contract – MA - IDIQ	2022-2027	Provide calibration for Test, Measurement and Diagnostic Equipment (TMDE) to minimize turnaround time for calibration services.
Government Purchase Card (GPC)	N/A	N/A	GPC	Always	Streamline payment procedures and reduce the administrative burden associated with purchasing supplies and services. Micro-Purchase are most often used for GVSC customers under \$10K.

G8-AMO: CONTRACT SUMMARY

(6.1 – 6.7) FY24 ACTION SUMMARY + \$\$



Budget Code	Contract	Contractor	Contract Number	Contract Tool	Period of Performance	FY24 Approved WD	FY24 Approved WD \$\$
6.2, 6.3	10 USC 2373 (Procurement for Experimental Purposes)	Various	Various	10 USC 2373 (Procurement for Experimental Purposes)	Various		
6.4, 6.6	ASRC	ASRC Federal Field Services	W56HZV-21-D-L042	Contract – 8(a)	2021-2026	83	\$17.4M
6.1,6.2,6.3	Automotive Research Center (ARC)	University of Michigan	W56HZV-24-2-0001 W56HZV-19-2-0001 (prev.)	Cooperative Agreement (CA)	2024-2028	1	\$10M
6.1,6.2,6.3	Broad Agency Announcements (BAA)	Various	W56HZV-24-A-0003	BAA	2024-2029	8	\$16.4M
6.1,6.2,6.3	Clemson	Clemson University	W56HZV-21-2-0001	Cooperative Agreement (CA)	2021-2026	5	\$25.8M
6.2, 6.3, 6.4	Commercial Solutions Opening (CSO)	Various	W912CH-24-S-0002	Various	2024-2029	0* (New)	
6.2, 6.3, 6.5	Commercial Technologies for Maintenance and Sustainment (CTMA)	National Center for Mfg Services (NCMS)	HQ0034-20-2-0007	Cooperative Agreement (CA)	2020-2025		
6.7	G-9 Lab Calibration	Novastar Solutions	W56HZV-22-D-L012	Contract – MA - IDIQ	2022-2027	3	\$51.6K
6.7	Government Purchase Card (GPC)	N/A	N/A	GPC	Always	7,809	\$12.5M
6.4, 6.5, 6.7	GVSL	DCS Corp	W91CH24CL0069 56HZV-23-D-0017	Contract	2024-2029	6	\$6.7M
6.7	Jacobs Maintenance	Jacobs Technology Inc.	W56HZV-22-C-0017	Contract	2021-2024	2	\$1.5M
6.2, 6.3	Michigan Technological University	Michigan Technological University	W912CH-24-C-0038 W56HZV-19-C-0053 (prev.)	Contract	2024-2029 2019-2024	8	\$5.3M
6.2, 6.3	MITRE	The MITRE Corporation	W56KGU-18-D-0004 / W56KGU-22-F-0017	Federally Funded R&D Centers (FFRDCs)	2018-2028	1	\$1M
6.3, 6.4, 6.5, 6.6, 6.7	TES	DCS Corp	W56HZV-23-D-0017 W56HZV-17-C-0062 (prev.)	Contract	2023-2030	425	\$142M
6.1, 6.2, 6.3	Wichita State University (WSU)	Wichita State University (WSU)	New (Award = TBD) JKKNZLNLYJ19	Cooperative Agreement (CA)	2025-2030 2022-2027	1 (pending)	\$10M
6.6	Women Own Build to Print	313 Industries Inc. Mettle Craft Mfg. LLC Milton Mfg., Inc. Rose-A-Lee Technologies	W56HZV-20-D-L001 W56HZV-20-D-L002 W56HZV-20-D-L003 W56HZV-20-D-L004	Contract - MA-IDIQ	2020-2025	0	\$0

G8-AMO: CONTRACT SUMMARY

(6.1 – 6.7) FY24 ACTION SUMMARY



Budget Code	Contract	Contractor	Contract Number	Contract Tool	Period of Performance	FY24 Approved WD
6.2, 6.3	10 USC 4023 (Procurement for Experimental Purposes)	Various	Various	10 USC 4023 (Procurement for Experimental Purposes)	Various	
6.4, 6.6	ASRC	ASRC Federal Field Services	W56HZV-21-D-L042	Contract – 8(a)	2021-2026	83
6.1,6.2,6.3	Automotive Research Center (ARC)	University of Michigan	W56HZV-24-2-0001 W56HZV-19-2-0001 (prev.)	Cooperative Agreement (CA)	2024-2028	1
6.1,6.2,6.3	Broad Agency Announcements (BAA)	Various	W56HZV-24-A-0003	BAA	2024-2029	8
6.1,6.2,6.3	Clemson	Clemson University	W56HZV-21-2-0001	Cooperative Agreement (CA)	2021-2026	5
6.2, 6.3, 6.4	Commercial Solutions Opening (CSO)	Various	W912CH-24-S-0002	Various	2024-2029	0* (New)
6.2, 6.3, 6.5	Commercial Technologies for Maintenance and Sustainment (CTMA)	National Center for Mfg Services (NCMS)	HQ0034-20-2-0007	Cooperative Agreement (CA)	2020-2025	
6.7	G-9 Lab Calibration	Novastar Solutions	W56HZV-22-D-L012	Contract – MA - IDIQ	2022-2027	3
6.7	Government Purchase Card (GPC)	N/A	N/A	GPC	Always	7,809
6.4, 6.5, 6.7	GVSL	DCS Corp	W91CH24CL0069 56HZV-23-D-0017	Contract	2024-2029	6
6.7	Jacobs Maintenance	Jacobs Technology Inc.	W56HZV-22-C-0017	Contract	2021-2024	2
6.2, 6.3	Michigan Technological University	Michigan Technological University	W912CH-24-C-0038 W56HZV-19-C-0053 (prev)	Contract	2024-2029 2019-2024	8
6.2, 6.3	MITRE	The MITRE Corporation	W56KGU-18-D-0004 / W56KGU-22-F-0017	Federally Funded R&D Centers (FFRDCs)	2018-2028	1
6.3, 6.4, 6.5, 6.6, 6.7	TES	DCS Corp	W56HZV-23-D-0017 W56HZV-17-C-0062 (prev.)	Contract	2023-2030	425
6.1, 6.2, 6.3	Wichita State University (WSU)	Wichita State University (WSU)	New (Award = TBD) JKKNZLNLYJ19	Cooperative Agreement (CA)	2025-2030 2022-2027	1 (pending)
6.6	Women Own Build to Print	313 Industries Inc. Mettle Craft Mfg. LLC Milton Mfg., Inc. Rose-A-Lee Technologies	W56HZV-20-D-L001 W56HZV-20-D-L002 W56HZV-20-D-L003 W56HZV-20-D-L004	Contract - MA-IDIQ	2020-2025	0

DTIC



DTIC Contracts – Used for All Spend Categories

Contract	Contractor	Contract Number	Period of Performance	General Scope
DTIC – BAH	BAH	FA8075-18-D-0004 FA8075-24-F-0020 P1-23-2546	2024-2029	Survivability Lethality R&D; Research, Lab Development & Testing; Ground Vehicle System Software Development & Testing; Engineering Support
DTIC - Battelle	Battelle	FA8075-18-D-0005 FA8075-20-F-0064 P1-19-2051*	2020-2025*	Research, Analysis & Planning of Force Projection Technologies & Laboratories; Force Projection Technology Development, Fabrication & Integration; Technology Data Package (TDP) & Configuration Management; Engineering Support
DTIC - ALION/HII	ALION/HII	FA8075-18-D-0002 FA8075-24-F-0020 P1-23-2549	2024-2029	Ground Combat Systems Power and Energy R&D; Mobility Research & Development; Laboratory, Range, Facility, Program Operations Development; Engineering Support
DTIC - KBR	KBR	FA8075-18-D-0015 FA8075-18-F-1685 P1-21-2216	2022-2027	R&D Advanced Manufacturing, Reverse Engineering & Obsolescence
DTIC - SAIC	SAIC	FA8075-18-D-0007 FA8075-21-F-0026 P1-19-2114	2021-2026	Ground Combat System Modeling & Simulations; Software in the Loop System Integration Laboratory; SIL Performance Assessment Lifecycle System Architecture Development; Engineering Support
DTIC - SWRI	SWRI	FA8075-18-D-0013 FA8075-21-F-0063 P1-19-2036	2021-2026	Robotics & Autonomous System R&D; Robotics Modeling and Simulations; Robotics and Autonomous System Integration Labs R&D

*follow-on contract in process

8(A) ADMINISTRATION



8(a) Administration – Used for All Spend Categories					
Contract	Contractor	Contract Number	Contract Tool	Period of Performance	General Scope
8(a) Administration	Chenega Analytics Business Solutions, LLC	W56HZV-23-C-L005	8(a)	2023-2028	Technical, professional, and administrative services to support and sustain the facility functions in the design, development, fabrication, integration and insertion of new systems onto vehicle platforms to include wheeled and tracked vehicles.

STAND ALONE OTA



OTA – Used for All Spend Categories

Contract	Contractor	Contract Number	Period of Performance	General Scope
Detroit Arsenal Innovation (DAI) OTA	National Advanced Mobility Consortium (NAMC)	W56HZV-23-9-D001	2023-2028	<u>Consortium Based:</u> Autonomy/Connectivity; Safety Technologies; Survivability; Light Weighting; Cyber Security; Advanced Energy Storage; Powertrain; Mobility; Modeling and Simulation; Fuels and Lubes; Test and Evaluation; Platforms; Architecture and Modularity; Petroleum and Water Systems; External Systems
LIFT	ALMMII	W56HZV-20-9-D001	2020-2024	<u>Standalone:</u> Manufacturing Process Improvement
ASTRO	Applied Science and Technology Research Organization of America	W56HZV-20-9-D002	2022-2027	<u>Standalone:</u> Advanced Materials
GM	General Motors, LLC	W56HZV-19-9-0006	2019-2024	<u>Standalone:</u> Development, demonstration and evaluation of commercial automotive fuel cell technologies to include Fuel Cells, Hydrogen Production and Storage systems, Batteries, Autonomous Vehicle Hardware and Software, Electric Motors, Inverters, Vehicle Suspension, and Hydrogen Fueling Stations.

BENEFITS OF THE IAC MAC CONTRACT

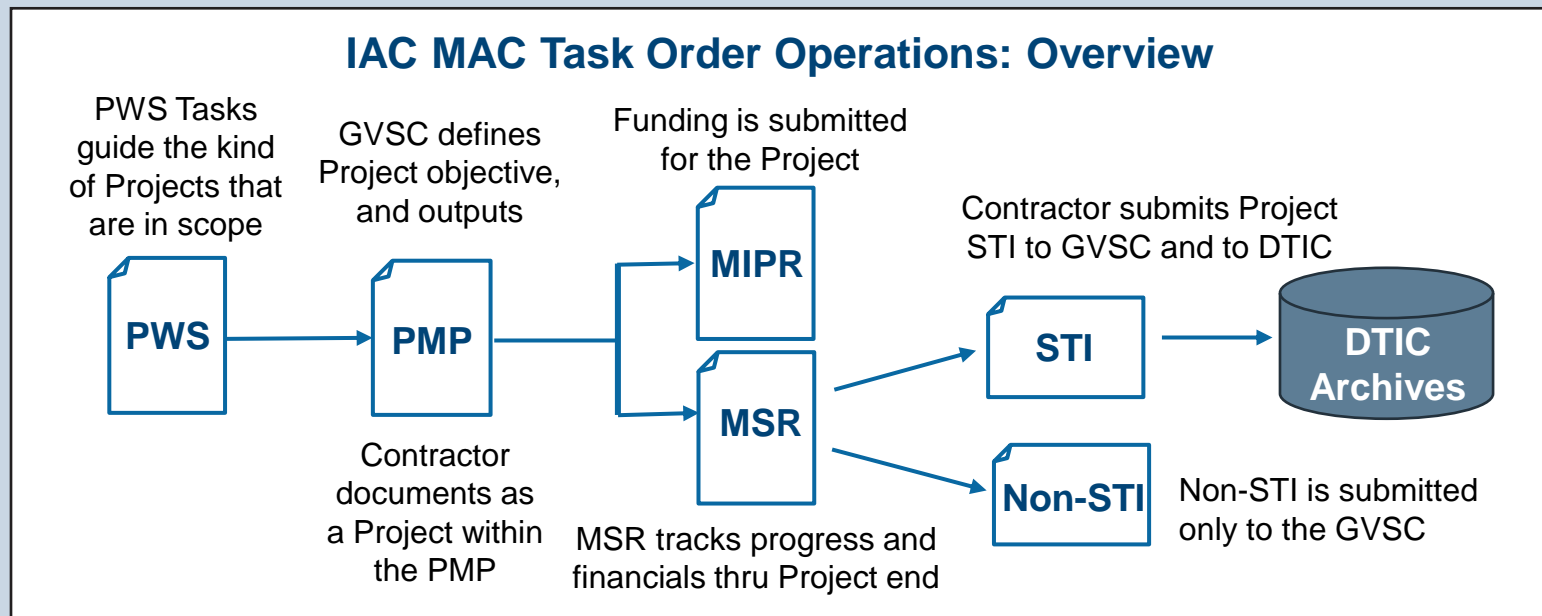


<i>Competitive vehicle emphasizing quality, innovation and impact</i>	
Preferred Use Vehicle	Defense Pricing and Contracting (DPAC) identifies IAC contracts as Best Value vehicles, “a proven resource for maximizing the value of each dollar the Department spends” due to the information and STI sharing it supports throughout the DoD RDT&E community
Assisted Acquisition Support	Fully-assisted cradle to grave acquisition support services for a low customer shared direct cost (CSDC) under 2%. Templates, guidance, and dedicated full-time customer support staff for supportive, friendly customer service to all IAC customers, or “Requiring Activities” (RAs).
RA involvement in competitions	<ul style="list-style-type: none"> --Select either Lowest Price Technically Acceptable or Tradeoff evaluation methodology --Choose CPFF, FFP, FFP LOE or a combination, depending on the format best for the work --Create PWS requirements, Cost estimate, and Evaluation Criteria for proposal competitions --RA representatives serve on Source Selection Committee to perform technical evaluations
Best Value	Primarily Tradeoff method for source selection. (RA's choice)
Funding options	<ul style="list-style-type: none"> --Incremental funding allowed; different types of funding can be accepted --Different organizations can provide funding, with MIPRs sent to DoDIAC through the RA/ACOR
Flexible Contract & Terms	<ul style="list-style-type: none"> --Deliverables-based contract vehicle focuses on outcomes, not contractor headcount --Flexible terms to allow adding new teaming partners at the task order level --Allows work at any security clearance level (compartmented and collateral) --Ability to work anywhere in the world, including in-theater and contingency operations areas.
Supports Better Buying Power Objectives	Center for Strategic and International Studies (CSIS) case study: The DoDIAC Program promotes BBP initiatives through shared STI, competition, and small business participation.

BENEFITS FOR HIGH-END MISSION SUPPORT



- GVSC assigns mission-enhancing projects and can prioritize as needed; the contractor's staff and skill mix flex to deliver outcomes supporting the GVSC's mission
 - GVSC focus is on progress and outcomes of high-end work, not personnel management
- The Project Management Plan (PMP) documents projects that build new capabilities, research and analyze technological or scientific topics, or improve existing capabilities or systems
- Per GVSC direction, each Project defines the objective, all expected outputs / STI and Non-STI deliverables, and estimated costs. Progress is tracked in the Monthly Status Reports (MSRs)





U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND GROUND VEHICLE SYSTEMS CENTER

Strategic Plans & Communications

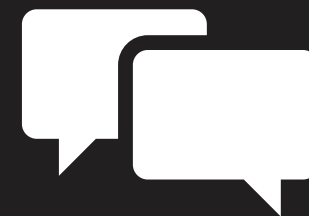
Aaron LaLonde, Domestic Partnerships Lead

29 OCTOBER 2024

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STRATEGIC PLANS & COMMUNICATIONS MISSION

Plans and executes strategic initiatives to support and grow GVSC resources. Effectively communicate the GVSC story, bringing awareness to activities and technological achievements of the organization. Fosters collaborative relationships that support new technology development for the Army's Ground Vehicle Systems.



PARTNERSHIPS

How to partner with GVSC

As integration experts, we have been able to form strategic partnerships with industry, academia and other government agencies to combine the best talents, incubate the best ideas and accelerate the most innovative technology for Soldiers and Marines who fight for our Nation's interests.

Your organization can partner with GVSC. We employ several collaborative methods to engage depending upon stakeholder requirements. GVSC also has unique laboratory and testing capabilities and the expertise of our technicians, scientists and engineers.



GLOBAL & STRATEGIC PARTNERSHIPS (G&SP)

- **Mission** is to identify, pursue, and accelerate global and domestic business opportunities that improve resource utilization for both the Army and external partners.



- **Tech Priorities**
 - ✓ Human Machine Integrated Formations (HMIF)
 - ✓ Reducing the logistics burden of the ground portfolio (increased operational duration)
 - ✓ Enduring support to the ground vehicle fleet
 - ✓ Advancing technology readiness level on critical technologies
 - ✓ Protection



- **Connect** with others who innovate, develop, demonstrate, and accelerate technology
- **Communicate** the Army's ground vehicle technical needs
- **Create** suitable partnership/collaboration agreements



PARTNERING & COLLABORATION MECHANISMS

- Reimbursable, FAR Contract, and Other Transaction Agreement (OTA)
- Small Business Innovation Research (SBIR)
- Small Business Technology Transfer (STTR)
- Cooperative Research and Development Agreement (CRADA) & International CRADAs
- Test Service Agreement (TSA)
- Patent License Agreement (PLA)
- Education Partnership Agreement (EPA)
- Engineer Scientist Exchange Program (ESEP)
- International Agreement / Project Agreement (IA / PA)
- Information Exchange Annexes (IEA)
- Data Exchange Annexes (DEA)
- Reciprocal Use of Test Facilities (RUTF)
- Partnership Engagement Events and Meetings (GVSETS, Industry Days, TIM, FIT, MDEX, etc.)
- xTech | Search Program (<https://www.arl.army.mil/xtechsearch/index.html>)



PARTNERING & COLLABORATION MECHANISMS



Mechanisms

- Cooperative Research and Development Agreement (CRADA) ←
- Test Service Agreement (TSA) ←
- Small Business Innovation Research (SBIR)
- Patent License Agreement (PLA) ←
- Educational Partnership Agreement (EPA)

Cooperative Research and Development Agreement (CRADA)

- R&D Collaborative effort to make advancements and generate new IP
- Specific duration and scope
- Enables each party access to facilities, IP, equipment, data, personnel, expertise of the other
- Contribution from each party required
- Limitations
 - No funding provided by Government

Test Service Agreements (TSA)

- Industry Access to Government Facilities, equipment, capabilities
- GVSC conducts testing for Industry
- No technical collaboration with industry partner
- Limitations
 - Charged at Government Cost
 - Cannot compete with Industry

Patent License Agreement (PLA)

- Federally funded inventions available to industry for new product development
- Enable new product development and sales
- Rights granted to manufacture invention for company products
- Negotiable financial terms
- Limitations
 - No Government funding provided for development

UPCOMING EVENTS GVSC WILL BE PARTICIPATING IN

GVSC Industry Days – Distro D for Current Government Contractors only

Held in February, in Warren, MI at GVSC

<https://gvsc.devcom.army.mil/>

NDIA Michigan Defense Exposition (MDEX) & GVSC Industry Days - Distro A approved for public release

Held in April, in Warren, MI

<https://mdex-ndia.com>

NDIA Ground Vehicle Systems Engineering & Technology Symposium (GVSETS)

Held in August, Novi, MI

<https://www.ndia-mich.org/events/gvsets>

International Armoured Vehicles (IAV)

Held in January, in Farnborough, UK

<https://www.defenceiq.com/events-internationalarmouredvehicles/agenda-mc>

NDIA Tactical Wheeled Vehicle (TWV)

Held in February, in Charlotte, NC

<https://ndia.org>

AUSA Global Force

Held in March, in Huntsville, AL

<https://meetings.ausa.org/globalforce/2024/index.cfm>

SAE World Congress (WCX)

Held in April, in Detroit, MI

<http://wcx.sae.org>

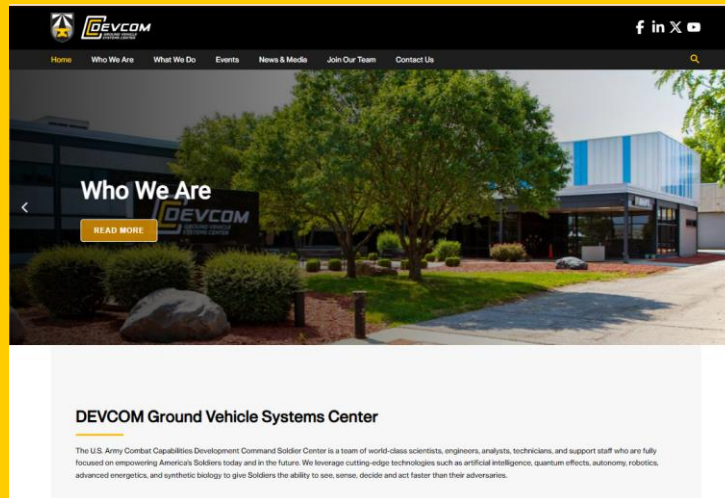
New GVSC Website coming November 1, 2024

<https://gvsc.devcom.army.mil/>



DEVCOM
GROUND VEHICLE
SYSTEMS CENTER

GVSC WEBSITE



GVSC Website <https://gvsc.devcom.army.mil/>

QUESTIONS?



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