



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

GVSC Contract and OTA opportunities FY19 and FY20

Ground Vehicle Systems Center
Acquisition Management Office
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PLANNING FOR PRIORITIES



GVSC PB2020 RDT&E funding request is \$1.6B FY20-FY24

Projects align to the Army's Modernization priority for the Next Generation Combat Vehicle

- Robotics and Autonomous Systems
 - Armor and Active Protection Systems
 - Ground Vehicle Platforms

Anticipate >50% funding external per year through new and existing contracts/OTAs

Mechanisms to participate

- GVS OTA
- DA2 OTA
- New Contracts



GVSC CONTRACT AND OTA OPPORTUNITIES FY19 AND FY20 SPEND PLANS



FY19 – Remaining GVSC Spend (\$49M)

\$28M in Contract Actions
\$21M in OTA Actions

FY20 - Planned GVSC Spend (\$214M)

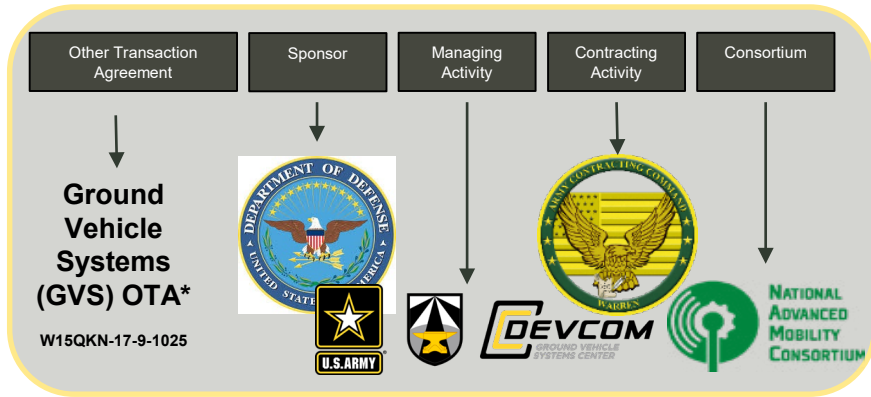
\$71M in Contract Actions
\$143M in OTA Actions

**Total anticipated spend over the next 18 months:
>\$260M**

FY19-20 Contract / OTA Planned Spend (New and Existing Instruments)	
Organization/Technical Area	\$M
Ground Systems Cyber Engineering	3
Vehicle Electronics and Architectures	15
Software Engineering Center	3
Ground Vehicle Survivability & Protection	31
Ground Vehicle Power & Mobility	44
Ground Vehicle Robotics	126
Materials	5
Center for Systems Integration	1
System Simulation & Test	15
Force Projection Technology and Sustainment Engineering	2



GROUND VEHICLE AND AUTOMOTIVE CONSORTIA OTA



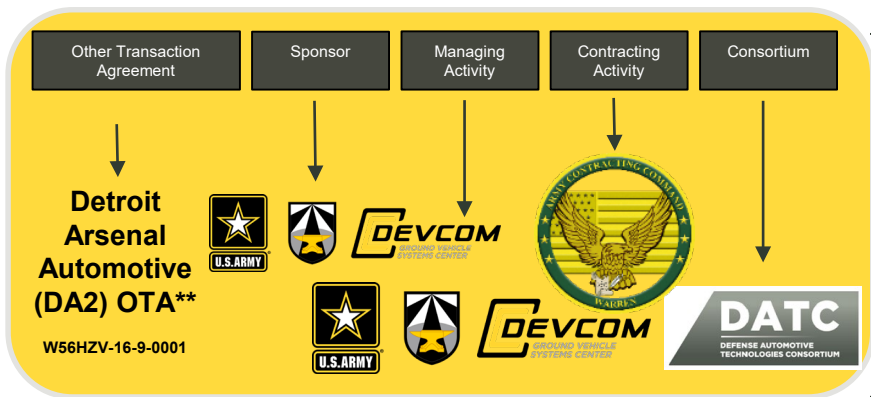
*Runs on Annual Cycle and Ad Hoc

Technology Areas

<ul style="list-style-type: none"> Modeling and Simulation Collaboration Mobility Survivability External Systems Petroleum and Water Systems 	<ul style="list-style-type: none"> Autonomy Platforms Powertrain Fuels and Lubes Testing and Evaluation Architecture, Security, and Modularity
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Available to all DOD Customers

For Interested Industry and Academic Partners, Contact NAMC at: www.defensemobility.org
 For Interested Government Agencies, Contact GVSC at: usarmy.detroit.rdecom.mbx.tardec-vra-po@mail.mil



**Runs on Ad Hoc Only

Technology Areas

<ul style="list-style-type: none"> Automotive Cyber Security Vehicle Light Weighting Connected Vehicles Propulsion Technologies 	<ul style="list-style-type: none"> Vehicle Safety Technologies Autonomous Vehicles and Intelligent Systems Advanced Energy Storage Technologies Active Suspension Technologies
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Available to all Army Customers

For Interested Industry and Academic Partners, Contact DATC at: <http://datc.saeitc.org/>
 For Interested Government Agencies, Contact GVSC at: usarmy.detroit.rdecom.mbx.tardec-vra-po@mail.mil



GVS OTA ANNUAL CYCLE



- **FY20 Annual Plan (AP) Request for Prototype Proposal (RPP) submissions due 18 APRIL 2019**
- **Key Dates from the FY20 Annual Cycle**
 - Draft AP released to NAMC Members for Comment 19-30 November 2018
 - AP published for NAMC Whitepaper submission 14 January -13 February 2019
 - AP RPP for proposals submission 22 March -18 April 2019
 - Selection Announcement begins in October 2019
- **FY20 Annual Plan RPP is open to ALL NAMC MEMBERS for proposal submission**
- **Typical Annual Cycle requires a Whitepaper submission against each project to be allowed to submit a proposal against that project**
- **FY21 Annual Cycle will kick off in July with the Good Ideas Submission**



GVS OTA ANNUAL CYCLE PROJECTS



- There are 23 projects in the FY20 Annual Plan RPP

Requesting Organization	Number of Projects
GVSC-Vehicle Electronics Architecture	2
GVSC-Ground Vehicle Robotics	1
Armaments Center-LRED Future Concepts	5
TACOM PdM Bridging	1
GVSC Bridging Sustainment Team	1
GVSC Next Generation Combat Vehicle	1
SOCOM-PM Family of Special Operations Vehicles	1
GVSC Force Projection Technology	1
USMC PEO Land Systems	1
Agile Combat Support/AFLCMC	1
GVSC-Ground Vehicle Survability and Protection	8



Examples of New Contract Actions and Current Ad Hoc OTA Projects



CCDC GVSC Organization: CSI

Project ID: RFP / WOSB MA IDIQ Set-Aside

FY19 Spend Plan

Project Abstract: Build and fabrication of parts, components, and assemblies based on Government-provided drawings, models, technical data packages or Bills of Material.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Target Award	Anticipated Solicitation Release
Build to Print	<\$20M/5 years	IDIQ	FAR Based contract	4 th QTR FY19	3 rd QTR FY19





CCDC – GVSC Materials - Corrosion, Coatings & Environmental

FY20 Spend Plan

Project ID: W56HZV19R0070

Project Abstract: To provide corrosion engineering and logistics technical, analytical, programmatic, research and development, technical assistance, testing, training, and technical writing support for the U.S. Army Combat Capabilities Development Command Ground Vehicle Systems Center. The effort shall include independent analysis and assessment of TACOM’s program to help administer the Army Corrosion Prevention and Control (CPC) Program for corrosion prevention, detection, and mitigation practices during sustainment.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Anticipated Solicitation Release	Target Award Date
Corrosion Engineering Services	\$13.5M	Services Contract	FAR Contract	3rd QTR FY19	1 st QTR FY20





CCDC GVSC - Ground Vehicle Materials

FY19 Spend Plan

Project ID: W56HZV-19-F-JG01

Project Abstract: U.S. Army CCDC GVSC is hosting the Flash-to-Bang Pitch Day July 17-18, 2019. The purpose is to deliver a faster, smarter approach to compete for ideas in the accelerating technology ecosystem. Proposal submissions will be open to materials science/engineering-related ideas that may significantly lighten or considerably improve Army ground systems or ground support systems. The Government will utilize the GVS OTA W15QKN-17-9-1025 for the award of this future project.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Anticipated Solicitation Release	Target Award Date
Ground Vehicle Materials – Flash to Bang Pitch Day	\$400K	OTA	GVS	3 rd QTR FY19	4 th QTR FY19

#FLASH2BANGPITCHDAY



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NGCV CFT / CCDC GVSC Ground Vehicle Robotics

FY20 Spend Plan

Project ID: Robotic Combat Vehicle (Phase II-B)

Project Abstract: Phase II-B will result in two awards to Industry to build up to four (4) Modified-Off-The-Shelf RCV Prototypes (MRPs) to be used as RCV surrogates in the next RCV phase of MUM-T experiments.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Anticipated Solicitation Release	Target Award Date
RCV – Phase II-B	\$75M	OTA	GVS	3rd QTR FY20	1st QTR FY21



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Product Manager, Heavy Tactical Vehicles

FY19 Spend Plan

Project ID: DA2-PA020

Project Abstract: The US Army is seeking proposals for designing and developing a 25 Ton Semitrailer Low Bed (STLB) prototype to load, transport, and unload equipment and supplies to fix and sustain the force throughout all operational themes and across the full spectrum of conflict. The 25 Ton STLB prototype will perform line-haul and local-haul missions as well as administrative and evacuation missions and permit loading and unloading equipment from the rear of the trailer through use of rear loading ramps.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Anticipated Solicitation Release	Target Award Date
25 Ton Semitrailer Low Bed Prototype	\$1.5M	OTA	DA2	3rd QTR FY19	4th QTR FY19





Product Lead Ground Mobility Vehicle (PL GMV)

FY20 Spend Plan

Project ID: RPP 19-7 – Infantry Squad Vehicle (ISV)

Project Abstract: The Infantry Squad Vehicle (ISV) shall provide enhanced tactical mobility for an Infantry Brigade Combat Team (IBCT) 9-Soldier infantry squad with their associated equipment to move quickly around the battlefield. This capability is required across the range of military operations facing IBCT units conducting crises response, initial entry, and selected decisive action missions.

Project Requirement	Planned Funding	Acquisition Method	Specific Instrument	Anticipated Solicitation Release	Target Award Date
ISV	\$3M	OTA	GVS	3rd QTR FY20	4th QTR FY20



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CCDC GVSC AMO CONTACT INFORMATION



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Contract Actions:

usarmy.detroit.rdecom.mbx.tardec-amo@mail.mil



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