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TARDEC Dual Use Technology Briefing



TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

National Automotive Center Tech Transfer Team

Spring 2012

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- **Small Business Innovation Research (SBIR)**
- **Testing Services Agreements**
- **Education Partnerships**
- **Cooperative Research And Development Agreements (CRADA)**





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Testing Services Agreement (TSA)

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- Allows commercial entities to **utilize unique capabilities** of Government labs
- Government is **reimbursed** for operational and equipment expenses
- **Cannot compete** with private industry
- Test data belongs only to **customer**





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Education Partnership (EP)

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- Encourage, enhance **study** in scientific disciplines;

- Set up with US non-profit **educational institutions** dedicated to improving science, math & engineering education;

- Provide assistance by...
 - Loaning or transferring **equipment**
 - Making lab **personnel** available
 - Involving students and faculty in **research**
 - Providing academic and career **advice**





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Cooperative Research and Development Agreement (CRADA)

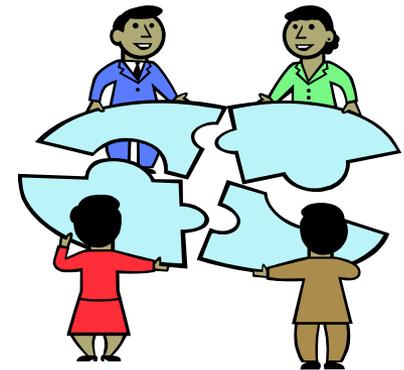
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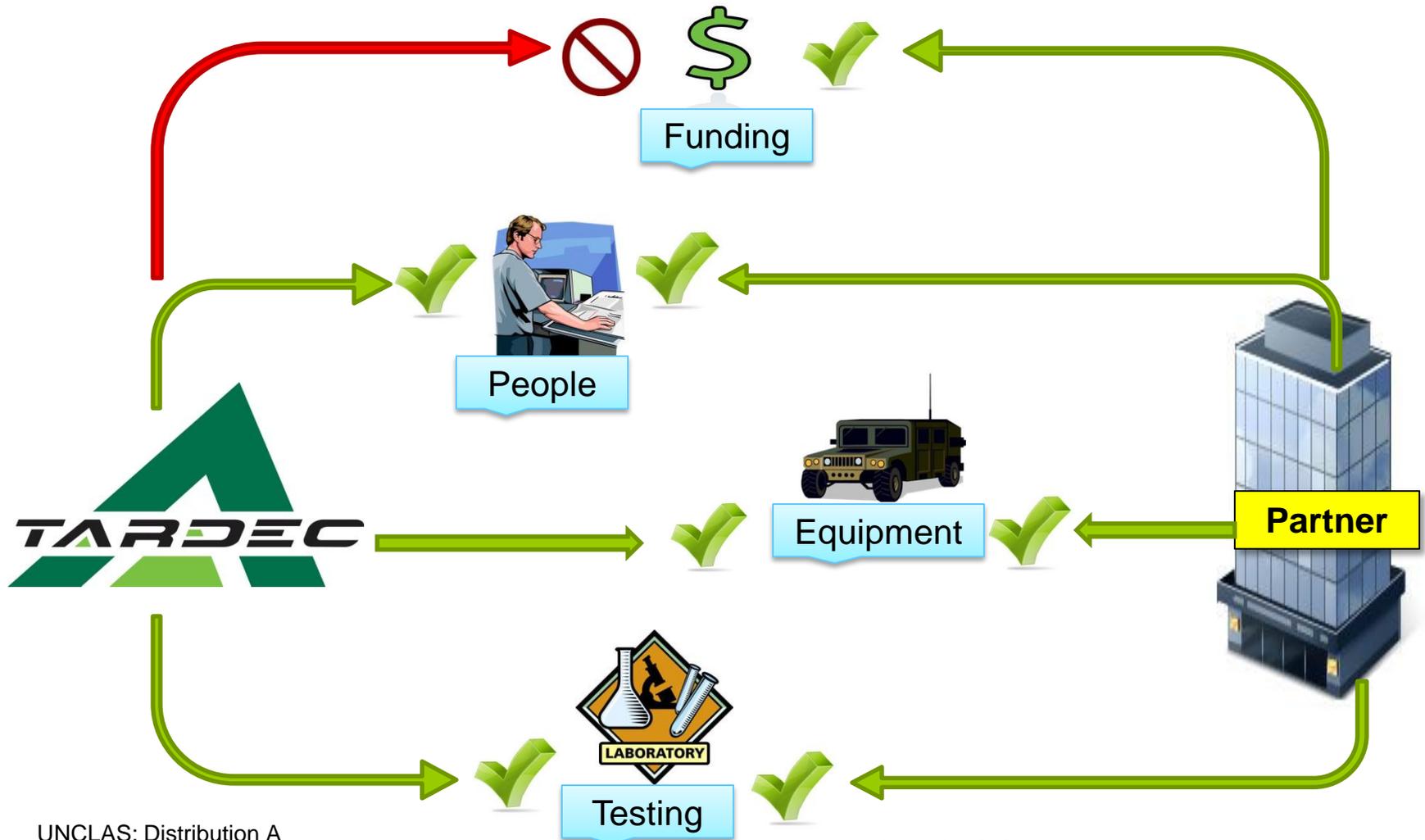
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- Created by the **Federal Technology Transfer Act** of 1986
- Extends to all **government-owned laboratories**
- Defined in U.S. Code, Title 15, **Section 3710a**
- Not a procurement contract; **Federal Acquisition Regulations do not apply**

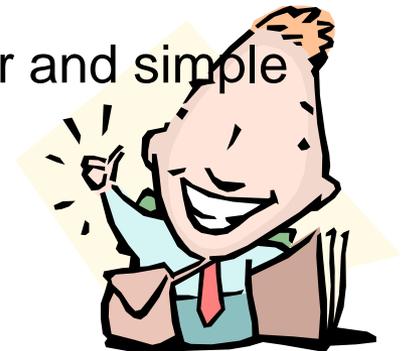


- Between **Government Laboratories** and commercial, academic, government or association partners;
- Facilitate **technology transfer** between the parties;
- Partner contributes **personnel, services, property and funding**;
- Government contributes all the above, **except funding**.



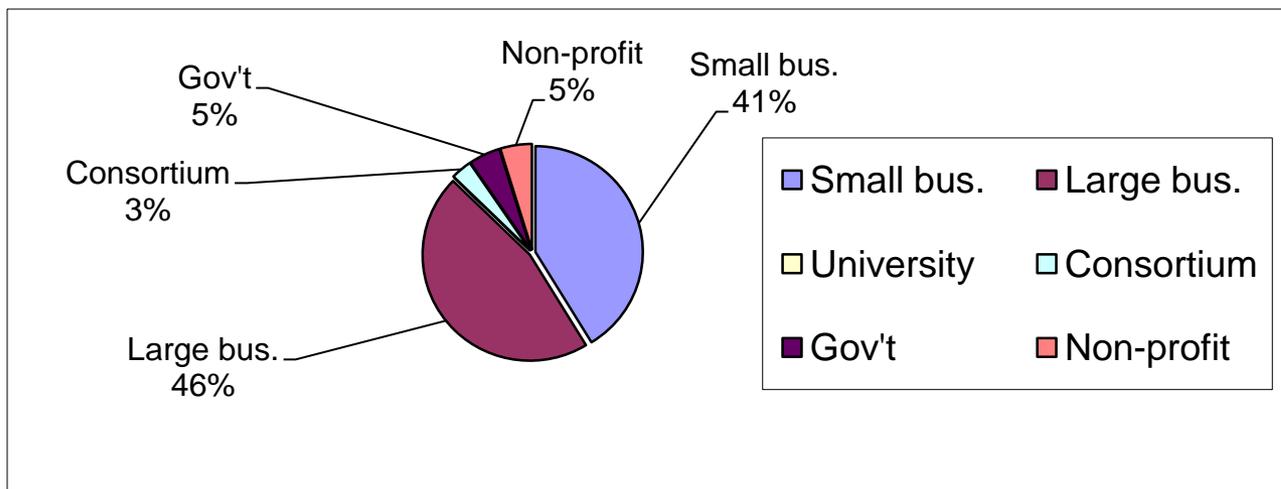
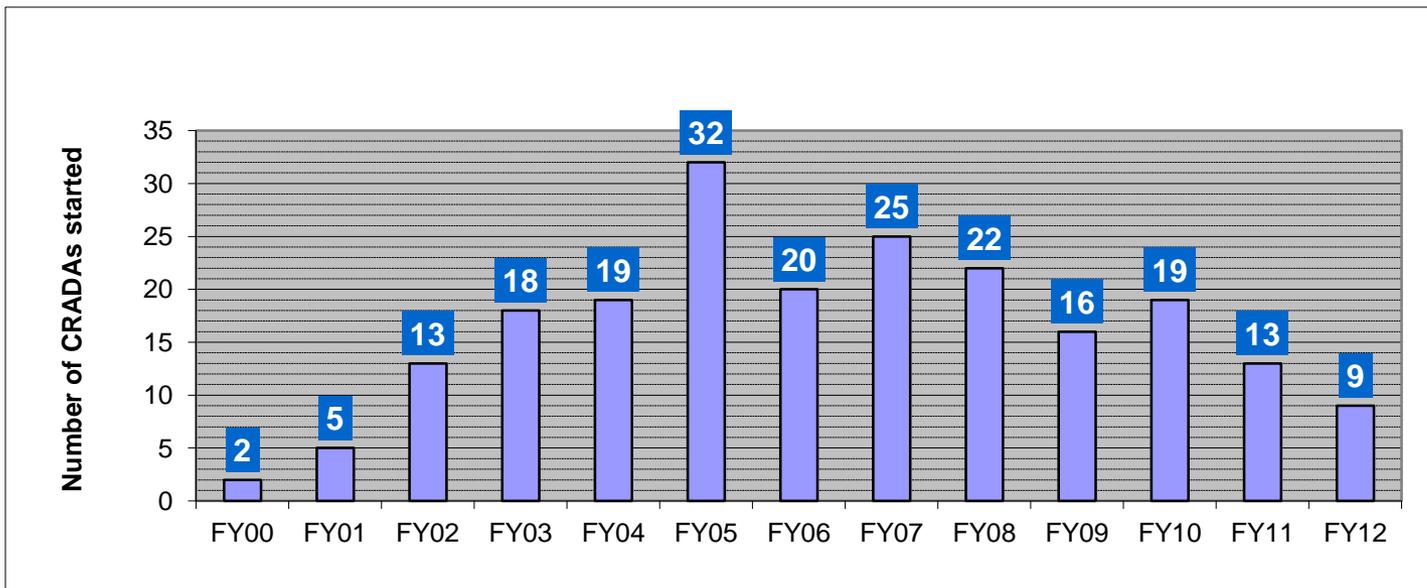


- **Quick** - Typically established within 60 days of initiation.
- **Flexible** - Leveraging of resources; each party pays for their tasks under flexible Statement of Work (SOW).
- **Mutually Beneficial** - Encourages cooperative R&D; partner has option to obtain an exclusive license for technology the Army invents under the CRADA.
- **Safe** - Proprietary information protected; all inventions developed under CRADA belongs to inventing party.
- **Simple** - Conditions and basic rights set forth in clear and simple language.



- **Duration** – Typically 3 years; renewable.
- **Termination** – Upon expiration, by mutual consent, or unilaterally (with written notice).
- **Multiple CRADAs** – A partner may have more than one CRADA with TARDEC simultaneously.
- **Special Agreements**
 - Master Agreement: many SOW's under one contract
 - 3-way: more than one partner
 - Foreign partner: requires approval from trade rep.







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Partnership Resources

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Partnership Intermediaries (DoD)

Licensing of patented
government technologies

First Responder
Technology Transfer

TechLink

SpringBoard

FirstLink

www.techlinkcenter.org

www.gospringboard.org

www.dodfirstlink.com

Partnership Intermediary (Local)

Automation Alley

www.automationalley.com

Authorized by 15 USC 3715

More info at http://globals.federallabs.org/pdf/2008/Partnerships_Gonsalves.pdf



www.dodtechmatch.com

DoD TechMatch is a web-based portal designed to provide industry and academia a Department of Defense-sponsored solution to find Research & Development Opportunities, Licensable Patents, and information on approximately 120 DoD Labs located across the United States. Registered users will receive a daily e-mail taking them to their matching R&D opportunities from FedBizOpps, Grants.gov, and SBIR/STTR solicitations; Calendar events; and Licensable Patents relevant to your business.



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LEAD - INNOVATE - INTEGRATE - DELIVER

CONNECT WITH US:

National Automotive Center (NAC)

Mission

NAC will serve as the Army focal point for developing dual-use automotive technologies and their applications to military ground vehicles. It will focus on facilitating joint efforts and collaboration among industry, government and academia in basic research, technology, industrial base development and professional development.

Introduction

NAC, founded in 1993, is the Department of Defense and Army focal point for collaborative ground vehicle research and development (R&D). NAC is co-located with the U.S. Army TACOM Life Cycle Management Command at the Detroit Arsenal in the heart of the automotive capital. Tank automotive and Armaments Command (TACOM), is an integral part of the Army's Tank Automotive Research, Development and Engineering Center (TARDEC). NAC serves as a catalyst, linking industry, academia and government agencies in the development and exchange of automotive technologies. NAC leverages government, industry and academia R&D investments and initiates shared automotive technology programs. Its primary focus is to benefit current and future military ground vehicle systems through performance improvements, service life extensions and reduction in ground vehicle design, manufacturing, production, operation and support costs.

Key Collaborative Mechanisms Used

NAC employs several key mechanisms to leverage investments in automotive technology R&D and to initiate shared technology programs. These mechanisms include: collaborative automotive technology contracts, Small Business Innovation Research Program contracts, Cooperative Research and Development Agreements, Education Partnership Agreements, Patent License Agreements, Test Services Agreements and unsolicited proposals. The NAC also sponsors the Automotive Research Center, an academic Center of Excellence for Automotive Research.

<http://tardec.army.mil/business/NationalAutomotiveCenter.aspx>

ABOUT US

- Mission and Vision
- TARDEC Leadership
- Technology Focus Areas
- Testing and Lab Resources
- NAC Organization

DOING BUSINESS WITH US

- Overview
- Broad Agency Announcement
- CRADA Program
- Educational Partnership Agreement
- Ground Vehicle Gateway
- Patent License Agreement

SOCIAL MEDIA

- Twitter
- Facebook
- YouTube
- Vimeo
- Flicker
- Podcast

KEY LINKS

- Ground Vehicle Gateway
- FED
- ASA(ALT)
- AMC
- RDECOM
- TACOM LCMC

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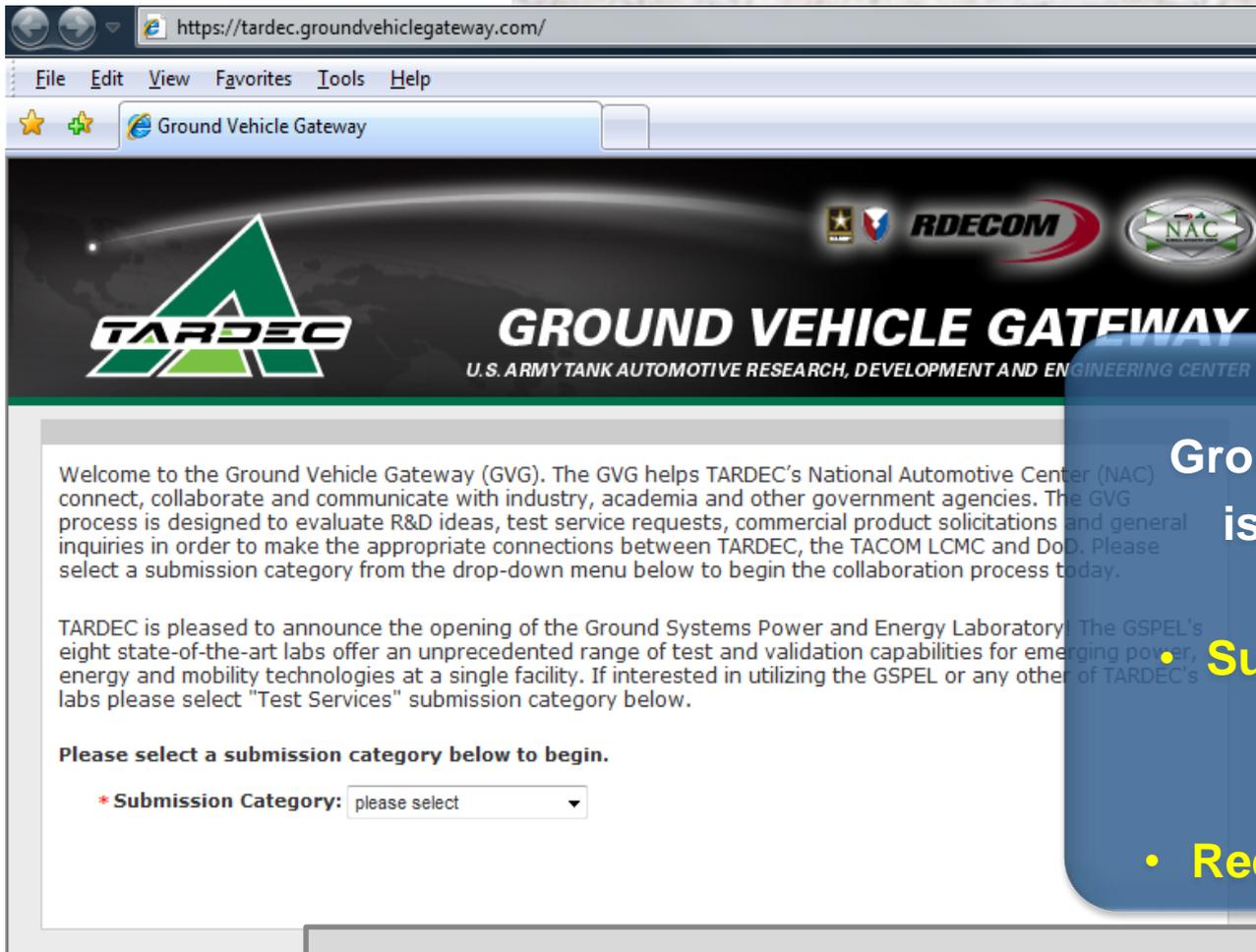
Ground Vehicle Gateway

TARDEC has created a Ground Vehicle Gateway (GVG) to assist in identifying new technologies. The Gateway is an online portal that will help forward inquiries or proposals directly to NAC or TARDEC researchers. The GVG will log, track and evaluate ideas, facilitating dialogue and prospective partnerships with industry, academia and other government organizations that submit proposals.

To access TARDEC's new GVG, go to <https://tardec.groundvehiclegateway.com>.

<http://tardec.army.mil/business/GroundVehicleGateway.aspx>

We're Open for Innovation!



**TARDEC's
Ground Vehicle Gateway
is YOUR entry point!**

- **Submit your technology for review**
- **Request Testing Services**

<https://tardec.groundvehiclegateway.com/>



GroundVehicleGateway@conus.army.mil