

ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services

4 November 2015



U.S. ARMY
RDECOM

ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

The U.S. Army Research, Development and
Engineering Command (RDECOM)

Mr. Jyuji Hewitt
Executive Deputy to the Commanding General
4 November 2015

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OUR ORGANIZATION



MG John F. Wharton
CG RDECOM



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CSM RDECOM



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EDCG RDECOM



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DCG RDECOM



AMRDEC
Aviation & Missile
Research,
Development &
Engineering Center



ARDEC
Armaments Research,
Development &
Engineering Center



CERDEC
Communications-
Electronics Research,
Development &
Engineering Center



ARL
Army Research Laboratory



ECBC
Edgewood Chemical
Biological Center



NSRDEC
Natick Soldier
Research,
Development &
Engineering Center



TARDEC
Tank Automotive
Research,
Development &
Engineering Center



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STRATEGIC PRIORITIES

Research - Drive the national S&T agenda through leadership & collaboration

Technology Development - Develop and execute cutting edge technology for current and projected environments

Engineering - Core competencies & facilities support every aspect of the Army's Materiel Life Cycle process

- Serve as the corporate technical knowledge repository for programs of record
- Systems engineering
- Life cycle engineering
- Prototyping

Command Initiatives - Use an integrated approach drawing on our wide range of core technical competencies to deliver revolutionary capabilities to the Army

Core Competency Areas:

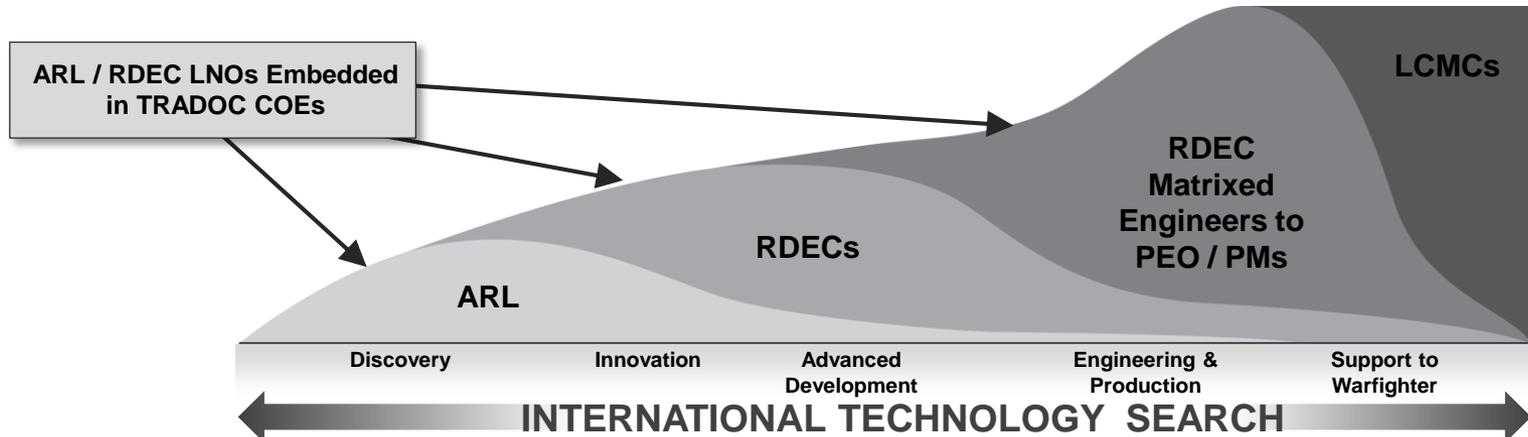
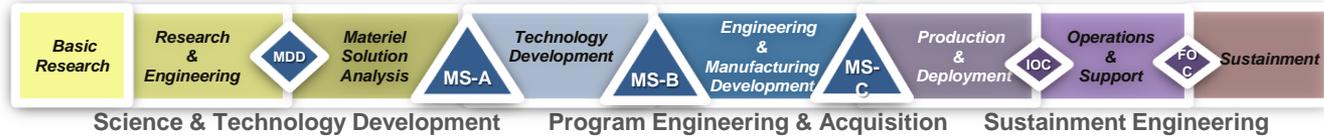
- Fundamental Research
- Aviation Systems Technologies
- Weapons and Munitions Technologies
- Chemical and Biological Technologies
- Ground Systems Technologies
- Communications and Electronics Technologies
- Missile and Rocket Technologies
- Soldier Technologies

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RDECOM BUSINESS MODEL

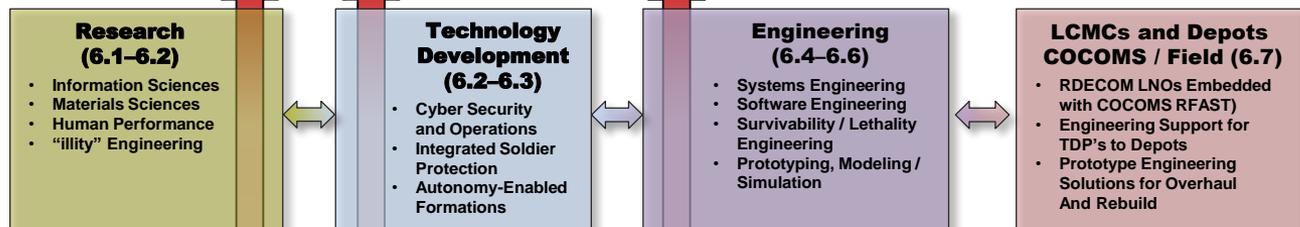
ACQUISITION & ENGINEERING LIFE CYCLE



ASA(ALT) / AMC



RDECOM



TRADOC (Requirements)



Supporting the Entire Life Cycle

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The U.S. Army Research, Development and
Engineering Command (RDECOM)

Ms. Kendra Meggett-Carr
Technology Transfer Program Manager
4 November 2015

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TECHNOLOGY TRANSFER ACROSS THE COMMAND

- RDECOM Master Cooperative Research and Development Agreements (CRADA)
- Patent License Agreements (PLA)
- Technology Support Agreement (TSA)
- Materiel Transfer Agreements (MTA)
- Small Business Technology Transfer (STTR)
- Army Manufacturing Technology (ManTech)
- Small Business Innovation Research (SBIR)
- Open Campus – ARL
- Contract Opportunities – across RDEC/Labs

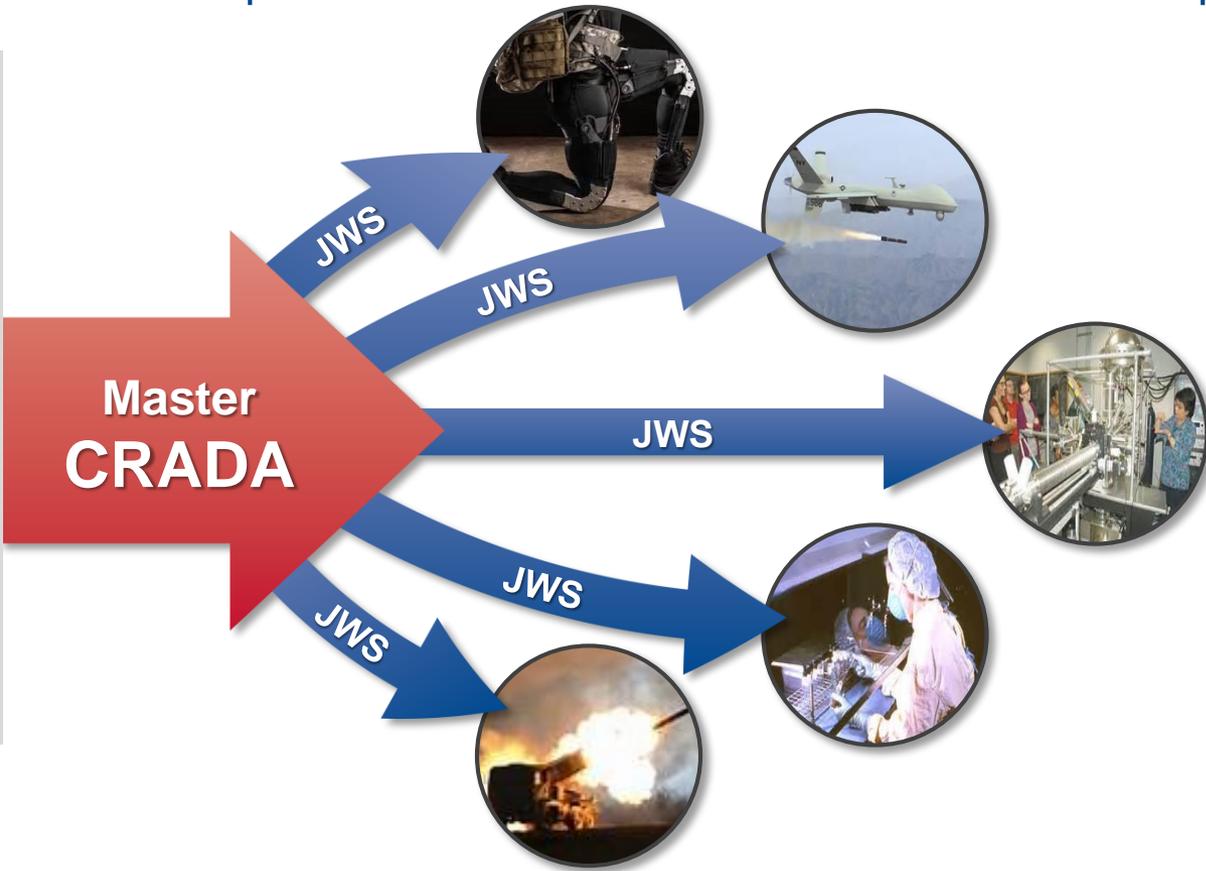


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RDECOM HQ MASTER CRADA

In Coordination with RDECOM Laboratories

Potential T2 Partner
Industry, Academia, Small Business, etc.



RDECOM Master CRADAs are **STANDARDIZED** to streamline process for both partners and labs

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ARMY MANUFACTURING TECHNOLOGY (MANTECH) PROGRAM

Mission: Supports reduction in production risks and manufacturing costs throughout the weapons system life cycle

Budget: \$48.4M (FY16 President's Budget)

Program Management: DASA(R&T) provides oversight; RDECOM manages the program with execution performed by the S&T organizations and Acquisition Program Managers

Investment Portfolio Areas:

- Ground Maneuver
- Air
- Lethality
- Soldier/Squad
- Command, Control, Communications and Intelligence
- Innovation Enablers

Proposal Process: FY18 proposals to be submitted by Army S&T and Acquisition programs to the Army ManTech Office Jan-March 2016

Contact: www.armymantech.com

GOOD NEWS STORIES



Ground Vehicle Protection -
Reduction of combat vehicle design-to-production time and cost to manufacture



Body Armor and Helmets:

- Increased ballistic protection by over 30%
- 30-50% reduction in touch labor
- 15-20% weight reduction
- Cost avoidance is estimated \$83M

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KEY TAKE AWAY: COLLABORATIVE APPROACH

RDECOM:

- Has a world-class workforce of scientists, engineers and skilled technicians from both government and private industry
- Ensures workforce synergy across RDECs and labs
- Provides decisive overmatch for the Nation's Joint Warfighters.
- Is committed to enhancing the partnership between RDECOM, industry, and academia.



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