

Interview Guides

CRADA Federal POC Questions

1. Confirm whether the CRADA is Open or Closed.
2. What was the period of performance?
3. How was the CRADA initiated?
4. Type of CRADA (tech assistance, material transfer, facility share, knowledge share, etc.)
5. Were objectives laid out in the CRADA?
Were these objectives met?
6. How would objectives been met without CRADA mechanism?
7. What are the associated costs of coordinating a CRADA vs. other mechanisms?
8. What was the outcome of the CRADA?
 - Was there a successful process of product commercialization?
 - Was a paper written?
 - What was the savings- short/long term?
 - Other benefits? (access to state-of-the-art technologies/facilities, cost avoidance)
 - etc.
9. What was the associated input cost?
10. Did industry input any \$\$?
11. What is the estimate of how many S&E man-hours were expended?
12. Do you know if jobs were created as as result of this CRADA?
13. Was a marketing assessment conducted? (identified other applications for technology?)
14. Were there other applications for the technology?
15. Did you have a positive experience overall?
16. What made this CRADA a success?

CRADA Non-Federal POC Questions

1. Confirm whether the CRADA is Open or Closed.
2. What was the period of performance?
3. How was the CRADA initiated?
4. Type of CRADA (tech assistance, material transfer, facility share, knowledge share, etc.)
5. Were objectives laid out in the CRADA?
Were these objectives met?
6. How would objectives been met without CRADA mechanism?
7. What are the associated costs of coordinating a CRADA vs. other mechanisms?
8. What was the outcome of the CRADA?
 - Was there a process of product commercialization?
 - Was there savings to the government as a result of this product/process?
 - Was a paper written?
 - What was the savings – short/long term?
 - Other benefits? (access to state-of-the-art technologies/facilities, cost avoidance)
 - etc.
9. What was the associated input cost?
10. Did industry input any \$\$?
11. Did the work continue after the CRADA ended?
12. Was a marketing assessment conducted? (identified other applications for technology?
Did a Government employee participate in market assessment?)
13. Were there other applications for the technology identified (used or not used)?
14. Were any jobs created as a result of this CRADA?
15. What was your experience overall?
16. What made this CRADA a success?
17. As a result of this CRADA, what do you think the benefits back to the government were?
18. Where could improvements in the CRADA process be made?

POC Lists

ARMY Points of Contact

CRADA Name	Federal Agency	Federal POC	Telephone#	Non-Federal Partner	Non-Federal POC	Telephone#
Advanced Technology for High Resolution Physics Based Interactive Simulation	US Army Communications and Electronics Command, Night Vision and Electronic Sensors Directorate	Max Lorenzo	703-704-3185	Silicon Graphics, Inc.	Bob Paddison, Judith Pafford	301-572-1685 972-788-4122
Blanket CRADA between Ford, General Motors, Chrysler, and the US Army Tank Automotive Research, Development and Engineering Center	US Army Tank Automotive Research, Development and Engineering Center	Doug Miller	810-574-5793	Ford Motor Company, Chrysler, and General Motors		
Construction Equipment Performance Optimization	Cold Regions Research and Engineering Laboratory	Sally Shoop	603-646-4321	Caterpillar, Inc. Goodyear Tire and Rubber Company	Paul Corcoran, Mike Trinko	309-698-5866 330-796-1722
CORE-LOC Concrete Armor Unit	US Army Engineers' Waterways Experiment Station	Jeff Melby	601-634-2062	A. R. Wijnberg		
Development of Biodegradable Polymers	US Army Natick Research, Development and Engineering Center	Dr. Jo Ann Ratto	508-233-5315	Zeneca (Imperial Chemical Industries (ICI) Americas)		
Development of Novel Imaging System for Medical, Non-Destructive Testing & Investigation of Micro-Electronic Circuits	US Army Communications and Electronics Command, Night Vision and Electronic Sensors Directorate	Conrad Terrell	703-704-2809	Martin E. Lasser, Inc.	Marvin Lasser	301-208-6775
Evaluation of Electron Cyclotron Resonance Plasma Technology	US Army Communications and Electronics Command, Night Vision and Electronic Sensors Directorate	Jack Dinan	703-704-3234	Texas Instruments	Robert Keller	972-995-0181
Formulation of a Liposomal Transdermal Vaccine System and other Novel Pharmaceuticals	Walter Reed Army Institute of Research	Dr. Carl Alving	202-782-3248	Medical Technology and Practice Patterns Institute, Inc Iomai	Dennis Cotter Dean Lewis	202-333-8841 202-955-7120
Full Scale Fabrication & Optimization of Composite Cylinder Processing	US Army Research Laboratory	Dana Granville	410-306-0777	Composite Development Corporation		
Vaccines for Infectious Diseases	Walter Reed Army Institute of Research	Dr. Ken Eckels	301-295-7757	Ora Vax, Inc.	Tom Monas	617-494-1339

NAVY Points of Contact

CRADA Name	Federal Agency	Federal POC	Telephone#	Non-FEDERAL Partner	Non-Federal POC	Telephone#
CRADA Between The Naval Training Systems Center and Computer Group of Motorola, Inc.	Naval Air Warfare Center, Training System Division	David Kotick	407-380-4606	Motorola, Inc.	Ralph Whitney	407-823-7014
Deep-Towed Acoustic/Geophysical System	Naval Research Laboratory	Joseph Gettrust	601-688-5090	Seafloor Sciences International	Donald Hussong	206-441-9305
Demonstration of CL-20 Based Explosive Formulations	Naval Air Warfare Center Weapons Division, China Lake	Tom Boggs	760-939-1083	Thiokol Corporation	Charles Zisette	801-863-4219
Detection of Contraband and Narcotics by Nuclear Quadrupole Resonance (NQR)/Fast Recovery Time Nuclear Quadrupole Resonance Detection	Naval Research Laboratory	Dr. Al Garroway	202-767-2323	Quantum Magnetics	Dr. Lowell Burnett	619-566-9200
Electric Vehicle/Hybrid Electric Vehicle Battery Chemistry Research and Evaluation	Naval Surface Warfare Center, Crane Division	Jim Gucinski	812-854-6150	AdvanceTek	Ellen Engleman	317-615-0022
Exploring the Effects of Lipid-Lowering Agents on Complex Cognitive and Performance Tests	Naval Medical Research Institute	LCDR Eric Bower	850-452-8091	Bristol-Myers Squibb	Dr. Joan Stagger	609-897-2838
New Paint Formulations for Fluorinated Polyurethane Resins	Naval Research Laboratory	Dr. Robert Brady	202-767-2268	21st Century Coatings, Inc.	Grover Howard Gene Lindsey	703-379-1080 703-548-8622
Ocean Bottom Profiler (OBP) Joint Project	Naval Undersea Warfare Center, Newport Division	Ken Walsh	401-832-2282	Precision Signal, Inc.	Dr. Lester LeBlanc	
Technical Assistance to CIT	Naval Surface Warfare Center, Dahlgren Division	Ramsey Johnson	540-653-2680	Virginia Center for Innovative Technology	Dr. Eilene Heveron Dr. Ed Veazey	703-689-3000 540-775-2651
Use of Spinning Microfilters to Separate Oil from Water for Abatement of Marine Spills	Naval Surface Warfare Center, Carderock Division	Dr. E. Fischer	301-227-4400	Marine Spill Response Corporation		

AIR FORCE Points of Contact

CRADA Name	Federal Agency	Federal POC	Telephone#	Non-FEDERAL Partner	Non-Federal POC	Telephone#
Automated Software for Composite Material Analysis	Air Force Research Laboratory, Materials and Manufacturing Directorate	Dr. Nick Pagano	937-426-2045	AdTech Systems Research, Inc.		
Covert Adjustable Laser Illumination CRDA	Air Force Research Laboratory, Directed Energy Directorate	Capt. William Co	505-846-5899	FLIR Systems, Inc.	John Miller	503-684-3731
Hazardous Materials Management System	Air Force Research Laboratory, Materials and Manufacturing Directorate	Frank Borasz Larry Bidwell Haywood Burnette	937-656-9208 937-255-2917 937-255-4689	Modern Technologies Corporation	Larry Harms	937-226-7724
Helmet Mounted Display Fitness of Use	Air Force Research Laboratory, Human Effectiveness Directorate	Brian Tsow	937-255-8896	KOPIN Corporation	Mike Presz	408-364-0271
Ogden Air Logistics Center X-Ray/Computed Tomography Sections	Ogden Air Logistics Center, Technology and Industry Support Directorate	Art McCarty	801-777-6080	ARACOR	Richard Savage	408-733-7780
Strategic Avionics Battle Management Evaluation and Research (SABER)	Air Force Research Laboratory, Human Effectiveness Directorate	Gil Cooperman	937-255-3727	Northrop Corporation	James Reis	562-942-6130
Test and Evaluation of Imaging System	Air Force Development Test Center, Eglin AFB	Russell Bauldree	850-882-2594	Eastman Kodak Company		
USAF CRADA Between Weber State University and the Science and Engineering Laboratory	Ogden Air Logistics Center, Technology and Industry Support Directorate	Steve Nelson	801-775-2482	Weber State University	Todd Nilsen	801-626-6144
Warhead Arena Test	Air Force Development Test Center, Eglin AFB	Dennis Schneider	850-882-9175	Hughes Missile Systems Company (now Raytheon)	Thomas Bootes	520-794-1683
Whole Spacecraft Isolation System for Taurus/GEOSAT	Air Force Research Laboratory, Space Vehicles Directorate	Dr. Dino Sculli	505-846-8256	Orbital Sciences Corporation	Sharon Roberts	703-406-5248

Other Points of Contact

Federal Agency	Service	POC	Telephone #
Army Research Laboratory	Army	James Wanko	301-394-2529
Army Research Laboratory	Army	Michael Rausa	410-278-5028
Walter Reed Army Institute of Research	Army	Dr. Paul Mele	202-782-8163
US Army Engineers' Waterways Experiment Station	Army	Phil Stewart	601-634-4113
US Army Communications and Electronics Command	Army	Louis Jakub	732-427-2690
Cold Regions Research and Engineering Laboratory	Army	Peter Smallridge	603-646-4445
US Army Natick Research, Development and Engineering Center	Army	Bob Rosenkrans	508-233-5296
Office of Naval Research	Navy	Nancy Groves	703-696-5991
Naval Medical Research Command	Navy	David Spevak	301-295-6760
Air Force Research Laboratory	Air Force	Steve Guilfoos	937-656-9021
Air Force Research Laboratory, Materials and Manufacturing Directorate	Air Force	Patrick Rodriguez	505-846-0857
Air Force Research Laboratory, Human Effectiveness Directorate	Air Force	Scott Hall	937-255-2423
Air Force Development Test Center, Eglin AFB	Air Force	Buddy Kinlaw	850-882-8096
Ogden Air Logistics Center, Technology and Industry Support Directorate	Air Force	Richard Healy	801-777-2307
Air Force Research Laboratory, Space Vehicles Directorate	Air Force	Vince Miller	937-255-5066

Endnotes

- ¹National Technology Transfer Center, Technology Transfer Resource Guide, <http://www.nttc.edu/training/guide/seca01.html>, April 4, 1998.
- ²David J Roessner, “What Companies Really Want From the Federal Labs,” ChemTech, November 1993, p. 12.
- ³FY93 Defense Authorization Act, Public Law: 102-484, October 23, 1992
- ⁴William J Perry, “DoD Domestic Technology Transfer/Dual Use Technology Development Domestic Technology...,” June 2, 1995.
- ⁵“DoD Technology Transfer Best Practices and Lessons Learned,” Draft Final Report, Booz-Allen & Hamilton, July 1997, p. 3-14.
- ⁶“Effective Partnering: A Report to Congress on Federal Technology Partnerships,” U.S. Department of Commerce, Office of Technology Policy, April 1996, p. 11.
- ⁷“Technology Transfers: Benefits of Cooperative R&D Agreements,” GAO Report, RCED-95-52, December 1994.
- ⁸David J Roessner, “What Companies Really Want from the Federal Labs, Chemtech, 23, 11, November 1993.
- ⁹Department of Defense Technology Transfer Program, Draft Instruction, Number 5535.XX, DDR&E, p. 2.
- ¹⁰Defense Science Board Task Force on Lab Management (DSB-LM) Interim Report, (www.dtic.mil/labman/projects/docs.html)
- ¹¹Andrew Dougherty, and Michael Irish, “Shared Investment-Shared Return, Industry/Government Technology programs, An Executive Summary of Research,” Economic Strategy Institute, Washington, DC, June 1995, p. 1.
- ¹²Stevenson-Wydler Technology Innovation Act of 1980, Public Law: 96-480, October 21, 1980
- ¹³Federal Technology Transfer Act of 1986, Public Law: 99-502, October 20, 1986
- ¹⁴Executive Order 12591: Facilitating Access to Science and Technology, December 22, 1987
- ¹⁵National Technology and Advancement Act of 1995, Public Law: 104-113, March 7, 1996
- ¹⁶Technology Transfer Commercialization Act of 1998, H.R. 2544, Passed House as of July 14, 1998
- ¹⁷AFMC Technology Transfer Handbook, November 1995, p. H-8.
- ¹⁸AFMC Technology Transfer Handbook, November 1995, p. H-10.
- ¹⁹AFMC Technology Transfer Handbook, November 1995, p. H-11.
- ²⁰Department of Defense Technology Transfer Program, Draft Instruction, Number 5535.XX, DDR&E, p. 9.
- ²¹“DoD Technology Transfer Best Practices and Lessons Learned,” Draft Final Report, Booz-Allen & Hamilton, July 1997, p. 3-15.
- ²²David J Roessner, “What Companies Really Want From the Federal Labs,” Chemtech, 23, 11, November 1993, p. 13.

²³David J Roessner, "What Companies Really Want From the Federal Labs," *Chemtech*, 23, 11, November 1993, p. 15.

²⁴"DoD Technology Transfer Best Practices and Lessons Learned," Draft Final Report, Booz•Allen & Hamilton, July 1997, p. 3-12.

²⁵Department of Defense Technology Transfer Program, Instruction, Number 5535.XX, DDR&E, p. 13.

²⁶Department of Defense Director, Defense Research and Engineering, Defense Science and Technology Strategy, May 1996

²⁷"Effective Partnering: A Report to Congress on Federal Technology Partnerships," U.S. Department of Commerce, Office of Technology Policy, April 1996, p. 10.

²⁸"Technology Transfers: Benefits of Cooperative R&D Agreements," GAO-RCED-95-52, December 1994, p. 3.

²⁹Gregory M. Glenn, Mangala Rao, Gary R. Matyas, and Carl R. Alving, "Skin Immunization Made Possible by Cholera Toxin," *Nature*, Vol. 391, No. 6670, 851, February, 26, 1998

³⁰U.S. Commercial and Military Infrared System Markets: Emerging Materials, Price Reductions Offer Excellent Opportunities, Frost & Sullivan, 1995, p. 2-3.

³¹U.S. Commercial and Military Infrared System Markets: Emerging Materials, Price Reductions Offer Excellent Opportunities, Frost & Sullivan, 1995, p. 1-1.

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Gibson, David V., James E. Jarrett, and George Kozmetsky. "Customer Assessment of Martin Marietta Energy Systems, Inc. (MMES) CRADA Program," IC2 Institute. The University of Texas at Austin, April 1995.

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Acronyms

ACR	Advanced Concepts and Requirements
AFB	Air Force Base
AFRL	U.S. Air Force Research Laboratory
AFRL/DE	U.S. Air Force Research Laboratory, Directed Energy Directorate
AFRL/HE	U.S. Air Force Research Laboratory, Human Effectiveness Directorate
AFRL/ML	U.S. Air Force Research Laboratory, Materials and Manufacturing Directorate
AFRL/VS	U.S. Air Force Research Laboratory, Space Vehicles Directorate
ARL	U.S. Army Research Laboratory
ARTEMIS	Air Force Precision Strike Demonstration Program
ASCA	Automated Software for Composite Analysis
AUV	Autonomous Underwater Vehicle
BETC	Battery Evaluation and Testing Center
BST	Barium Strontium Titanate
CCD	Charge-Coupled Device
CDC	Composites Development Corporation
CECOM	U.S. Army Communications and Electronics Command
CIT	Center for Innovative Technology
COTs	Commercial Off-the-Shelf
CRADA	Cooperative Research and Development Agreement
CT	Cholera Toxin
CT	Computed Tomography
CTO	Chief Technical Officer
DARPA	Defense Advanced Research Projects Agency
DDR&E	Director Defense Research and Engineering
DIS	Distributed Interactive Simulation
DLA	Defense Logistics Agency
DoA	Department of Agriculture
DoD	Department of Defense
DoE	Department of Energy
DoT	Department of Transportation
DTAGS	Deep-Towed Acoustic Geophysics System
DTT	Domestic Technology Transfer
DTTIS	Defense Technology Transfer Information System

DUTD	Dual-Use Technology Development
ECR	Electron Cyclotron Etching
EPA	Environmental Protection Agency
EV/HEV	Electric Vehicle/Hybrid Electric Vehicle
FAR	Federal Acquisition Regulations
FDA	Food and Drug Administration
FLC	Federal Laboratory Consortium
FPA	Focal Plane Array
FSI	FLIR Systems, Inc.
GAO	Government Accounting Office
HHS	Health and Human Services
HMD	Helmet Mounted Display
IFPA	Infrared Focal Plane Array
IITSEC	International Service Industry Training Systems and Education Conference
IMMS	Integrated Materials Management System
IR	Infrared
ISBL	Integrated Short Base Line
LIRIS	LORAL Infrared Imaging Systems
MITE	Megapixel Imaging Technology
MSRC	Marine Spill Response Corporation
MTPPPI	Medical Technology and Practice Patterns Institute, Inc
NASA	National Aeronautics and Space Administration
NAVSEA	Naval Sea Systems Command
NAWC	Naval Air Warfare Center
NAWCWPNS	Naval Air Warfare Center Weapons Division
NDA	New Drug Application
NQR	Nuclear Quadrupole Resonance
NRL	Naval Research Laboratory
NSWC	Naval Surface Warfare Center
NSWCDD	Naval Surface Warfare Center, Carderock Division
NUWC	Naval Undersea Warfare Center
NUWC DIVNPT	Naval Undersea Warfare Center, Division Newport
NVESD	Night Vision and Electronic Sensors Directorate
OBP	Ocean Bottom Profiler
OO-ALC/TI	Ogden Air Logistics Center, Technology and Industry Support Directorate
ORTA	Office of Research and Technology Application

OSD	Office of the Secretary of Defense
QC/QA	Quality Control/Quality Assurance
PSI	Precision Signal, Inc.
POC	Pont of Contact
R&D	Research and Development
RDA	Research, Development and Acquisition
RDT&E	Research, Development, Test and Evaluation
S&E	Scientist and Engineer
S&T	Science and Technology
SBIR	Small Business Innovative Research
SGI	Silicon Graphics, Inc.
TARDEC	U.S. Army Tank-Automotive Research, Development and Engineering Center
TEMO	Training, Exercises, and Military Operations
TI	Texas Instruments, Inc.
TT	Technology Transfer
TTA	Technology Transfer Act of 1986
UV	Ultra Violet
WES	U.S. Army Engineers' Waterways Experiment Station
WRAIR	Walter Reed Army Institute of Research
WSU	Weber State University