

Federal Technology Transfer Mechanisms Matrix by Agency

A reference guide to technology transfer mechanisms

PATENTS
CRADAS
PARTNERSHIPS
CONTRACTS
DISCLOSURE AGREEMENT
RESEARCH FELLOWSHIPS
LICENSING

About the Matrix

In order to facilitate the technology transfer efforts of the various federal laboratories, the Education and Training Committee of the Federal Laboratory Consortium for Technology Transfer (FLC) has developed this reference tool, which identifies a cross-section of technology transfer mechanisms used by federal agencies. The matrix identifies a wide variety of mechanisms, the agencies that use them, and Internet links to agency websites where information about each agency's use of the mechanism and samples of mechanisms can be found. Note: If you are aware of any technology transfer mechanisms or websites that have not been identified in the Technology Transfer Mechanisms Matrix, please contact Steve Boardman at 856-667-7727 or [send an e-mail to sboardman@utrs.com](mailto:sboardman@utrs.com).

Aerospace Technical Facility Inventory

Agencies

National Aeronautics and Space Administration

<https://nrpi.hq.nasa.gov/ATFI/>

Biological Materials Licenses

Agencies

National Institutes of Health

<http://www.ott.nih.gov/docs/PHS-Biological-Materials-Agreement-License-model-102005.doc>

Chemical and Biological Defense (CBD) SBIR Program

Agencies

Department of the Army

<https://www.armysbir.army.mil/cbd/>

Clinical Trial Agreement

Agencies

National Institutes of Health

http://ttc.nci.nih.gov/forms/intramural_cta.doc

Clinical Trials Cooperative Research and Development Agreement (CT CRADA)

Agencies

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/CT-I-II-CRADA-092206.doc

National Institutes of Health

<http://ott.od.nih.gov/docs/Model%20PHS%20Cooperative%20Research%20and%20Development%20Agreement%20for%20Intramural-PHS%20Clinical%20Research.doc>

[http://ott.od.nih.gov/docs/Model%20PHS%20CRADA%20for%20Extramural%20Clinical%20Trials%20\(Dec2010\).doc](http://ott.od.nih.gov/docs/Model%20PHS%20CRADA%20for%20Extramural%20Clinical%20Trials%20(Dec2010).doc)

Collaborative Technology Alliances

Agencies

Department of the Army

<http://www.arl.army.mil/www/default.cfm?page=9#ctas>

<http://www.arl.army.mil/www/default.cfm?page=93>

Collection Agreement

Agencies

U.S. Department of Agriculture

Commercial Evaluation License Agreement

Agencies

National Institutes of Health

<http://www.ott.nih.gov/pdfs/PHS-Commercial-Evaluation-License-model-102005.pdf>

Commercial Operations & Support Savings Initiative (COSSI)

Agencies

Department of the Air Force

Commercial Service Agreement (CSA)

Agencies

Department of the Navy

Commercial Test Agreement (CTA)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/shared/media/document/AFD-070905-015.pdf>

Confidentiality/Nondisclosure Agreement

Agencies

Department of Energy

U.S. Department of Agriculture

<http://www.ars.usda.gov/business/docs.htm?docid=771&page=3>

National Institutes of Health

<http://ott.od.nih.gov/docs/cda.doc>

<http://www.ott.nih.gov/pdfs/cda.pdf>

<http://ttc.nci.nih.gov/forms/2WAY-CDAFinal11-01.pdf>

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/default.cfm

Environmental Protection Agency

National Security Agency

Consulting by Laboratory Personnel

Agencies

Department of the Navy

National Security Agency

Contracts (general)

Agencies

Department of the Air Force

<http://ww3.safaq.hq.af.mil/contracting/>

Department of the Interior

Contributions

Agencies

Department of the Interior

Cooperative Agreement (CA)

Agencies

Department of the Air Force

Department of Energy

National Aeronautics and Space Administration

Department of the Navy

Department of the Interior

<http://www.usgs.gov/contracts/grants/>

U.S. Department of Agriculture

Cooperative Research and Development Agreement (CRADA)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/Shared/media/document/AFD-070905-013.pdf>

Department of the Army

<http://www.aero.polimi.it/~ghiro/crada.htm>

<http://www.arl.army.mil/www/default.cfm?page=14>

Department of the Navy

<http://www.onr.navy.mil/Science-Technology/Directorates/Transition/Technology-Transfer-T2/Partnership-Options/~media/32CA9D10CD754232B0616F32CE6CE969.ashx>

Department of Energy

<http://www.lanl.gov/orgs/tt/pdf/partnering/crada.pdf>

Department of the Interior

<http://www.usgs.gov/tech-transfer/partnership-opportunities-now.html>

<http://www.usbr.gov/research/tech-transfer/crada/index.html>

U.S. Department of Agriculture

U.S. Department of Agriculture

U.S. Department of Agriculture

Cooperative Research and Development Agreement (CRADA)

Agencies

National Institutes of Health

http://www.ott.nih.gov/cradas/model_agree.aspx

<http://ttc.nci.nih.gov/forms/>

National Aeronautics and Space Administration

National Institute of Standards and Technology

<http://www.nist.gov/tpo/forms/index.cfm>

Department of Transportation

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/

http://www.research.va.gov/programs/tech_transfer/crada/default.cfm

Environmental Protection Agency

<http://www.epa.gov/osp/ftta/documents.htm>

http://www.epa.gov/osp/ftta/model_crada.doc

Department of Homeland Security

National Security Agency

Cooperative Research and Development Agreement (CRADA)

Agencies

Cooperative Research Programs

Agencies

Department of Transportation

Cooperative Technology Administration Agreement (CTAA)

Agencies

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/ctaa.doc

Cost-Reimbursable Agreement

Agencies

U.S. Department of Agriculture

Cost-Shared Contracts

Agencies

Department of Energy

National Aeronautics and Space Administration

Department of the Navy

Dual Use Science & Technology (DUST) Program

Agencies

Department of the Air Force

Dual Use/Joint Venture Partnership Program

Agencies

National Aeronautics and Space Administration

http://technology.ssc.nasa.gov/act_dualuse.html

Educational Partnership Agreement (EPA)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/Shared/media/document/AFD-070905-017.pdf>

Department of the Army

<http://www.arl.army.mil/www/default.cfm?Action=19&Page=9#epas>

<http://www.apg.army.mil/apghome/sites/installation/eeo/pdf/Sample%20Partnership%20Agreement.pdf>

Department of the Navy

National Security Agency

Employee Invention Report

Agencies

National Institutes of Health

Enhanced Use Lease

Agencies

Department of the Army

<http://eul.army.mil/>

U.S. Department of Agriculture

Department of the Air Force

Facility Usage

Agencies

Department of the Air Force

Department of Energy

<http://science.energy.gov/bes/suf/>

http://www.lanl.gov/orgs/tt/pdf/partnering/bi_draft.pdf

Department of the Navy

National Institute of Standards and Technology

<http://www.nist.gov/user-facilities.cfm>

Department of the Interior

Department of the Army

<http://www.arl.army.mil/www/default.cfm?page=11>

Grants

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9447>

Department of the Interior

<http://www.usgs.gov/contracts/grants/>

Environmental Protection Agency

<http://www.epa.gov/epahome/grants.htm>

Department of Energy

Department of Transportation

National Aeronautics and Space Administration

<http://education.nasa.gov/divisions/higher/grants/index.html>

U.S. Department of Agriculture

Guest Researcher Arrangements (GRA)

Agencies

National Institute of Standards and Technology
<http://www.nist.gov/tpo/forms/index.cfm>

Independent Research & Development (IR&D)

Agencies

Department of the Air Force
<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5558>

National Security Agency

Innovations Deserving Exploratory Analysis (IDEA) Programs

Agencies

Department of Transportation
<http://www.trb.org/IDEAProgram/Public/IDEAProgram.aspx>

Interagency Agreement (IAA)

Agencies

Department of the Army

Department of Energy

<http://energy.gov/management/downloads/compilation-memoranda-understanding-and-interagency-agreements>

National Security Agency

U.S. Department of Agriculture

Intergovernmental Personnel Agreement

Agencies

National Institute of Standards and Technology

International Agreements

Agencies

Department of the Interior

International Cooperative Research and Development (R&D)

Agencies

Department of the Army

<http://www.arl.army.mil/www/default.cfm?page=9#ica>

Invention Disclosures

Agencies

Department of Energy

National Aeronautics and Space Administration

<https://ntr.ndc.nasa.gov/>

Joint Funding Agreement (JFA)

Agencies

Department of the Interior

http://www.ci.durham.nc.us/agendas/2008/cm20080505/126366_4972_161648.pdf

Joint Sponsored Research Agreement

Agencies

National Aeronautics and Space Administration

Joint Venture Agreement

Agencies

U.S. Department of Agriculture

U.S. Department of Agriculture

Licensing Agreement

Agencies

U.S. Department of Agriculture

<http://www.ars.usda.gov/business/docs.htm?docid=768>

National Aeronautics and Space Administration

Manufacturing Technology (ManTech) Program

Agencies

Department of the Air Force

<https://www.dodmantech.com/>

http://www.wpafb.af.mil/library/factsheets/factsheet_print.asp?fsID=9729&page=1

Material Transfer Agreement (MTA)

Agencies

U.S. Department of Agriculture

<http://www.ars.usda.gov/Business/docs.htm?docid=2075>

National Institutes of Health

http://www.ott.nih.gov/forms_model_agreements/forms_model_agreements.aspx#MTACTA

Department of the Navy

National Institute of Standards and Technology

<http://www.nist.gov/tpo/collaborations/material-transfer-agreements.cfm>

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/basic-MTA.doc

Environmental Protection Agency

<http://www.epa.gov/osp/ftta/documents.htm>

Department of the Interior

Department of the Interior

Material Transfer CRADA (MT CRADA)

Agencies

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/default.cfm

Department of the Interior

Materials CRADA

Agencies

Environmental Protection Agency

National Institutes of Health

[http://ott.od.nih.gov/docs/Model%20NIH%20Materials%20Cooperative%20Research%20and%20Development%20Agreement.d
oc](http://ott.od.nih.gov/docs/Model%20NIH%20Materials%20Cooperative%20Research%20and%20Development%20Agreement.doc)

Memoranda of Agreement (MOA)/Memoranda of Understanding (MOU)

Agencies

Department of the Air Force

Department of Energy

<http://energy.gov/downloads/enhance-energy-security-moupdf>

<http://energy.gov/downloads/mou-chinapdf>

U.S. Department of Agriculture

National Aeronautics and Space Administration

http://www.aeronautics.nasa.gov/pdf/npat_mou_final_signed.pdf

Department of the Navy

National Institute of Standards and Technology

http://www.nist.gov/public_affairs/releases/nistfemamou.cfm

Department of the Interior

<http://www.usgs.gov/mou/>

http://www.usgs.gov/mou/fema_impact.html

<http://www.usgs.gov/mou/mouwithdhs.pdf>

Department of Homeland Security

Memoranda of Agreement (MOA)/Memoranda of Understanding (MOU)

Agencies

National Security Agency

Mentor-Protege Program (MPP)

Agencies

Department of the Air Force

<http://www.airforcesmallbiz.org/programs/support/mp.php>

Multiparty CRADA

Agencies

National Institute of Standards and Technology

NASA Online Partnering Tool

Agencies

National Aeronautics and Space Administration

<http://technology.nasa.gov/index.php?t=partneringtool>

NASA Technology Transfer Portal

Agencies

National Aeronautics and Space Administration
<http://technology.nasa.gov>

Open Source Software

Agencies

National Aeronautics and Space Administration
<http://code.nasa.gov/>

Other Transactions

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/shared/media/document/AFD-070720-019.doc>

Department of the Army

<http://www.ogc.doc.gov/ogc/contracts/cld/hi/otguide.pdf>

Department of Energy

Department of the Navy

National Security Agency

Department of Homeland Security

Partnership Intermediary Agreement (PIA)

Agencies

Department of the Air Force

Department of the Navy

http://www.onr.navy.mil/sci_tech/3t/transition/training/docs/pia.pdf

Department of Homeland Security

Patent License

Agencies

National Institutes of Health

<http://ott.od.nih.gov/docs/LicApp.doc>

<http://ott.od.nih.gov/docs/PHS-Commercial-Evaluation-License-model-102005.doc>

<http://ott.od.nih.gov/docs/PHS-Patent-License-Nonexclusive-model-102005.DOC>

http://www.ott.nih.gov/forms_model_agreements/forms_model_agreements.aspx

National Institute of Standards and Technology

Department of Transportation

Department of the Interior

http://www.usgs.gov/tech-transfer/handbook/TT_Handbook-invention_forms.doc

Patent License Agreement (PLA)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/shared/media/document/AFD-070905-018.pdf>

Department of the Army

<http://www.arl.army.mil/www/default.cfm?Action=6&Page=15>

Department of Energy

<http://www.netl.doe.gov/business/patents/Exclusive%20License%20Agreement.pdf>

Department of the Navy

<http://www.nrl.navy.mil/techtransfer/pdfs/AFL%20Editable%2013%20Jun%2011.pdf>

Department of Veterans Affairs

http://www.research.va.gov/programs/tech_transfer/model_agreements/license-exclusive-model.DOC

http://www.research.va.gov/programs/tech_transfer/model_agreements/license-non-exclusive.DOC

Environmental Protection Agency

<http://www.epa.gov/osp/ftta/documents.htm>

http://www.epa.gov/osp/ftta/patents_issued.htm

Personnel Exchanges

Agencies

Department of the Air Force

<http://www.afciviliancareers.com/>

Department of Energy

Department of the Navy

R&D Consortia

Agencies

Department of Energy

Reimbursable Cooperative Agreement

Agencies

U.S. Department of Agriculture

<http://ars.usda.gov/SP2UserFiles/Place/54000000/Agreements/ARS-425%20Reimbursable%20Template11-2005.doc>

Research Fellowships

Agencies

Department of the Interior

Research Support Agreement (RSA)

Agencies

U.S. Department of Agriculture

Small Business Innovation Research (SBIR)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5560>

National Institute of Standards and Technology

<http://www.nist.gov/tpo/sbir/index.cfm>

Department of Transportation

<http://osdbu.dot.gov/Procurement/sbir.cfm>

Department of Homeland Security

http://www.dhs.gov/files/grants/gc_1247254058883.shtm

U.S. Department of Agriculture

<http://www.csrees.usda.gov/funding/sbir/sbir.html>

National Aeronautics and Space Administration

<http://sbir.gsfc.nasa.gov/SBIR/SBIR.html>

Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR)

Agencies

Department of the Army

<https://www.armysbir.army.mil/>

Department of Energy

<http://science.energy.gov/sbir/>

National Institutes of Health

<http://grants.nih.gov/grants/funding/sbir.htm>

Department of the Navy

<http://www.navysbir.com/>

Small Business Technology Transfer (STTR)

Agencies

Department of the Air Force

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9330>

Space Act Agreement

Agencies

National Aeronautics and Space Administration

<http://nodis3.gsfc.nasa.gov/displayDir.cfm?t=NPD&c=1050&s=11>

Technical Assistance

Agencies

Department of the Army

Department of the Navy

National Institute of Standards and Technology

Department of the Interior

<http://www.doi.gov/pmb/partnerships/index.cfm>

Technical Assistance to Small Business

Agencies

Department of Energy

Technology Investment Agreement (TIA)

Agencies

Department of the Air Force

Department of Energy

Department of the Navy

Technology Transfer Sharing Agreement (TTSA)

Agencies

National Security Agency

Test Services Agreement (TSA)

Agencies

Department of the Army

<http://www.arl.army.mil/www/default.cfm?Action=6&Page=16>

Department of the Navy

Transportation Pooled Fund Program

Agencies

Department of Transportation

<http://www.pooledfund.org/>

Trust Fund Cooperative Agreement

Agencies

U.S. Department of Agriculture

<http://ars.usda.gov/SP2UserFiles/Place/54000000/Agreements/ARS-425%20Trust%20Fund%20Template11-2005.doc>

University Affiliated Research Center (UARC) Program

Agencies

Department of the Air Force

Department of the Navy

Work for Others Agreement

Agencies

Department of Energy

<http://www1.eere.energy.gov/manufacturing/financial/wfo.html>

Department of the Interior

Work for Private Party Agreement

Agencies

Department of the Navy