

# 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).

### Department of Energy

#### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

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

Cooperative Agreement (CA)

Cost-Shared Contracts

Patent License Agreement (PLA)

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

Interagency Agreement (IAA)

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

Personnel Exchanges

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

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

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

R&D Consortia

## Department of Energy

### *T2 Mechanisms*

Technical Assistance to Small Business

Facility Usage

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

[http://www.lanl.gov/orgs/tt/pdf/partnering/bi\\_draft.pdf](http://www.lanl.gov/orgs/tt/pdf/partnering/bi_draft.pdf)

Work for Others Agreement

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

Confidentiality/Nondisclosure Agreement

Other Transactions

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

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

Technology Investment Agreement (TIA)

Invention Disclosures

Grants

## Department of Homeland Security

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

## Department of Homeland Security

### *T2 Mechanisms*

Partnership Intermediary Agreement (PIA)

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

Small Business Innovation Research (SBIR)

[http://www.dhs.gov/files/grants/gc\\_1247254058883.shtm](http://www.dhs.gov/files/grants/gc_1247254058883.shtm)

Other Transactions

## Department of the Air Force

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

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

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

Contracts (general)

<http://ww3.safhq.af.mil/contracting/>

Cooperative Agreement (CA)

Commercial Operations & Support Savings Initiative (COSSI)

Commercial Test Agreement (CTA)

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

Dual Use Science & Technology (DUST) Program

#### Educational Partnership Agreement (EPA)

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

#### Grants

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

#### Independent Research & Development (IR&D)

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5558>

#### Manufacturing Technology (ManTech) Program

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

[http://www.wpafb.af.mil/library/factsheets/factsheet\\_print.asp?fsID=9729&page=1](http://www.wpafb.af.mil/library/factsheets/factsheet_print.asp?fsID=9729&page=1)

#### Mentor-Protege Program (MPP)

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

#### Other Transactions

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

#### Partnership Intermediary Agreement (PIA)

#### Patent License Agreement (PLA)

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

#### Personnel Exchanges

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

#### Small Business Innovation Research (SBIR)

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

## Department of the Air Force

### *T2 Mechanisms*

Small Business Technology Transfer (STTR)

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

Technology Investment Agreement (TIA)

Facility Usage

University Affiliated Research Center (UARC) Program

Enhanced Use Lease

## Department of the Army

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

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

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

Patent License Agreement (PLA)

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

Test Services Agreement (TSA)

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

Interagency Agreement (IAA)

International Cooperative Research and Development (R&D)

### *T2 Mechanisms*

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

#### Other Transactions

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

#### Technical Assistance

#### Collaborative Technology Alliances

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

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

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

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

#### Chemical and Biological Defense (CBD) SBIR Program

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

#### Educational Partnership Agreement (EPA)

<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>

#### Enhanced Use Lease

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

#### Facility Usage

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

### *T2 Mechanisms*

#### Cooperative Research and Development Agreement (CRADA)

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

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

#### Technical Assistance

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

#### International Agreements

#### Patent License

[http://www.usgs.gov/tech-transfer/handbook/TT\\_Handbook-invention\\_forms.doc](http://www.usgs.gov/tech-transfer/handbook/TT_Handbook-invention_forms.doc)

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

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

[http://www.usgs.gov/mou/fema\\_impact.html](http://www.usgs.gov/mou/fema_impact.html)

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

#### Joint Funding Agreement (JFA)

[http://www.ci.durham.nc.us/agendas/2008/cm20080505/126366\\_4972\\_161648.pdf](http://www.ci.durham.nc.us/agendas/2008/cm20080505/126366_4972_161648.pdf)

#### Research Fellowships

#### Contributions

#### Work for Others Agreement

#### Facility Usage

#### Grants

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



## Department of the Interior

### *T2 Mechanisms*

Contracts (general)

Cooperative Agreement (CA)

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

Material Transfer Agreement (MTA)

Material Transfer Agreement (MTA)

Material Transfer CRADA (MT CRADA)

## Department of the Navy

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

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

Commercial Service Agreement (CSA)

Patent License Agreement (PLA)

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

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

Cooperative Agreement (CA)

*T2 Mechanisms*

Work for Private Party Agreement

Consulting by Laboratory Personnel

Cost-Shared Contracts

Personnel Exchanges

Test Services Agreement (TSA)

Material Transfer Agreement (MTA)

Technical Assistance

Partnership Intermediary Agreement (PIA)

[http://www.onr.navy.mil/sci\\_tech/3t/transition/training/docs/pia.pdf](http://www.onr.navy.mil/sci_tech/3t/transition/training/docs/pia.pdf)

Facility Usage

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

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

Other Transactions

Technology Investment Agreement (TIA)

Educational Partnership Agreement (EPA)

University Affiliated Research Center (UARC) Program

## Department of Transportation

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

Patent License

Transportation Pooled Fund Program

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

Small Business Innovation Research (SBIR)

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

Cooperative Research Programs

Innovations Deserving Exploratory Analysis (IDEA) Programs

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

Grants

## Department of Veterans Affairs

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/](http://www.research.va.gov/programs/tech_transfer/model_agreements/)

[http://www.research.va.gov/programs/tech\\_transfer/crada/default.cfm](http://www.research.va.gov/programs/tech_transfer/crada/default.cfm)

Clinical Trials Cooperative Research and Development Agreement (CT CRADA)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/CT-I-II-CRADA-092206.doc](http://www.research.va.gov/programs/tech_transfer/model_agreements/CT-I-II-CRADA-092206.doc)

Confidentiality/Nondisclosure Agreement

## Department of Veterans Affairs

### *T2 Mechanisms*

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/default.cfm](http://www.research.va.gov/programs/tech_transfer/model_agreements/default.cfm)

Material Transfer CRADA (MT CRADA)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/default.cfm](http://www.research.va.gov/programs/tech_transfer/model_agreements/default.cfm)

Material Transfer Agreement (MTA)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/basic-MTA.doc](http://www.research.va.gov/programs/tech_transfer/model_agreements/basic-MTA.doc)

Cooperative Technology Administration Agreement (CTAA)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/ctaa.doc](http://www.research.va.gov/programs/tech_transfer/model_agreements/ctaa.doc)

Patent License Agreement (PLA)

[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-exclusive-model.DOC)

[http://www.research.va.gov/programs/tech\\_transfer/model\\_agreements/license-non-exclusive.DOC](http://www.research.va.gov/programs/tech_transfer/model_agreements/license-non-exclusive.DOC)

## Environmental Protection Agency

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

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

[http://www.epa.gov/osp/ftta/model\\_crada.doc](http://www.epa.gov/osp/ftta/model_crada.doc)

Material Transfer Agreement (MTA)

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

Confidentiality/Nondisclosure Agreement

Patent License Agreement (PLA)

## Environmental Protection Agency

### *T2 Mechanisms*

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

[http://www.epa.gov/osp/ftta/patents\\_issued.htm](http://www.epa.gov/osp/ftta/patents_issued.htm)

Materials CRADA

Grants

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

## National Aeronautics and Space Administration

### *T2 Mechanisms*

Space Act Agreement

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

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

[http://www.aeronautics.nasa.gov/pdf/npat\\_mou\\_final\\_signed.pdf](http://www.aeronautics.nasa.gov/pdf/npat_mou_final_signed.pdf)

Cooperative Agreement (CA)

Joint Sponsored Research Agreement

Cost-Shared Contracts

Licensing Agreement

Cooperative Research and Development Agreement (CRADA)

Dual Use/Joint Venture Partnership Program

## National Aeronautics and Space Administration

### *T2 Mechanisms*

[http://technology.ssc.nasa.gov/act\\_dualuse.html](http://technology.ssc.nasa.gov/act_dualuse.html)

#### Grants

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

#### Small Business Innovation Research (SBIR)

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

#### Invention Disclosures

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

#### Aerospace Technical Facility Inventory

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

#### NASA Technology Transfer Portal

<http://technology.nasa.gov>

#### NASA Online Partnering Tool

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

#### Open Source Software

<http://code.nasa.gov/>

## National Institute of Standards and Technology

### *T2 Mechanisms*

#### Cooperative Research and Development Agreement (CRADA)

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

## National Institute of Standards and Technology

### *T2 Mechanisms*

Patent License

Material Transfer Agreement (MTA)

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

Technical Assistance

Facility Usage

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

Guest Researcher Arrangements (GRA)

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

Small Business Innovation Research (SBIR)

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

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

[http://www.nist.gov/public\\_affairs/releases/nistfemamou.cfm](http://www.nist.gov/public_affairs/releases/nistfemamou.cfm)

Intergovernmental Personnel Agreement

Multiparty CRADA

## National Institutes of Health

### *T2 Mechanisms*

Patent License

### *T2 Mechanisms*

<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](http://www.ott.nih.gov/forms_model_agreements/forms_model_agreements.aspx)

#### Biological Materials Licenses

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

#### Confidentiality/Nondisclosure Agreement

<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>

#### Cooperative Research and Development Agreement (CRADA)

[http://www.ott.nih.gov/cradas/model\\_agree.aspx](http://www.ott.nih.gov/cradas/model_agree.aspx)

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

#### Material Transfer Agreement (MTA)

[http://www.ott.nih.gov/forms\\_model\\_agreements/forms\\_model\\_agreements.aspx#MTACTA](http://www.ott.nih.gov/forms_model_agreements/forms_model_agreements.aspx#MTACTA)

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

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

#### Materials CRADA

<http://ott.od.nih.gov/docs/Model%20NIH%20Materials%20Cooperative%20Research%20and%20Development%20Agreement.doc>

#### Clinical Trials Cooperative Research and Development Agreement (CT CRADA)

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



## National Institutes of Health

### *T2 Mechanisms*

[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)

Clinical Trial Agreement

[http://ttc.nci.nih.gov/forms/intramural\\_cta.doc](http://ttc.nci.nih.gov/forms/intramural_cta.doc)

Commercial Evaluation License Agreement

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

Employee Invention Report

## National Security Agency

### *T2 Mechanisms*

Interagency Agreement (IAA)

Consulting by Laboratory Personnel

Educational Partnership Agreement (EPA)

Independent Research & Development (IR&D)

Confidentiality/Nondisclosure Agreement

Cooperative Research and Development Agreement (CRADA)

Other Transactions

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

## National Security Agency

### *T2 Mechanisms*

Technology Transfer Sharing Agreement (TTSA)

## U.S. Department of Agriculture

### *T2 Mechanisms*

Cooperative Research and Development Agreement (CRADA)

Cooperative Research and Development Agreement (CRADA)

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

Cooperative Research and Development Agreement (CRADA)

Trust Fund Cooperative Agreement

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

Reimbursable Cooperative Agreement

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

Material Transfer Agreement (MTA)

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

Confidentiality/Nondisclosure Agreement

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

Licensing Agreement

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

*T2 Mechanisms*

Small Business Innovation Research (SBIR)  
<http://www.csrees.usda.gov/funding/sbir/sbir.html>

Grants

Interagency Agreement (IAA)

Cooperative Agreement (CA)

Research Support Agreement (RSA)

Collection Agreement

Joint Venture Agreement

Joint Venture Agreement

Cost-Reimbursable Agreement

Enhanced Use Lease