

DOE FY 2025 SBIR/STTR Phase I Release 1 Awardee Webinar

May 15, 2025

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DOE SBIR/STTR Programs

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FY 2025 Phase I Release 1 Awardee Webinar Agenda

2:00 – 2:15 p.m.	Introduction	Eileen Chant, Acting Director DOE SBIR/STTR Programs
2:15 – 2:25 p.m.	Energy I-Corps for SBIR/STTR	Max Green, Ratio Flux
2:25 – 3:00 p.m.	Patent Data Rights and Responsibilities under SBIR/STTR Awards	Mike Dobbs, DOE Office of Intellectual Property Law
3:00 – 3:40 p.m.	Proper Administration of DOE SBIR/STTR Grants & Reporting	Mark Sojka, DOE Office of Grants
3:40 – 4:05 p.m.	Preventing Fraud in the SBIR/STTR Programs	Sara Hinderer, DOE Office of Inspector General
4:05 – 4:30 p.m.	Q&A	



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Who do I contact with questions?

- Questions about your award, personnel or budget changes?
 - Contact your grants specialist (Chicago Office)
- Questions about changes to the technical direction of your project?
 - Contact your DOE program manager
- PAMS questions?
 - PAMS-Helpdesk@science.doe.gov
- Not sure who to ask? Or don't know who your DOE program manager and grants specialist are?
 - Contact the Office SBIR/STTR programs:
 - sbir-sttr@science.doe.gov
 - (301) 903-5707



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Recent Relevant Program Changes: FY 2022-2025

- U.S. Manufacturing Requirement
 - Technologies invented under SBIR/STTR awards must be substantially manufactured in the United States
- Disclosure of Foreign Relationships
 - Must be included with your application *and updated during the award period*
- DOE Approval for Unnamed Key Personnel in your Application
 - Seek approval at least 30 days in advance of having unnamed key personnel start on the project



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Recent Relevant Program Changes: FY 2025

- The virtual Principal Investigator meeting scheduled for August has been cancelled
 - The amount budgeted in your grant for the PI meeting can be reallocated to other allowable costs
 - We intend to cover some PI meeting material during a set of webinars beginning next month. Stay tuned.
- The DOE TABA Vendor contract is no longer in effect. Those who were eligible for our vendor received the opportunity to apply for \$6,500 in funding for their own vendor to provide TABA services. We are currently processing those requests.
 - Phase II applicants can request up to **\$50,000** for TABA services as a subcontract in your award.
 - [Document on synergies between Phase Shift and TABA and improving commercialization outcomes](#)



New Requirement for FY 2024 Phase II Applicants

Phase I Applicants (recommended):

- Understanding of Cybersecurity (CS)
- If collecting, processing, storing, and/or transferring sensitive information, such as intellectual property, start implementing basic CS practices to protect the information.
- Free training can be found at this learning portal can be found here: [GCA Cybersecurity Toolkit for Small Business | Sponsored by Mastercard](#)

Phase II Applicants:

- Completion of the SBIR/STTR Cybersecurity Self-Assessment is required:
 - Full implementation of 16 Cybersecurity Performance Goals (CPGs) **at the time of application submission**
 - For more information to assist applicants with completing the CS self-assessment and resources on how to fully implement the CPGs, please visit:
<https://science.osti.gov/sbir/Foreign-Risk-Management/Cybersecurity-Due-Diligence-Program>
- Questions can be sent to: CSDueDiligence@science.doe.gov



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Commercialization is a statutory goal of the SBIR/STTR Programs

- *“Increase private sector commercialization of innovations derived from Federal R-R&D, thereby increasing competition, productivity and economic growth.”*
- Agencies are required to evaluate the commercial potential of R&D conducted under SBIR/STTR
- Congress wants to see **ROI** of taxpayer dollars: **taxable revenues, job creation**, and/or **scientific or societal benefit**
- It is never too early to develop your commercialization strategy
- Your businesses’ success depends on it



Take Advantage of . . .

- Supercomputer Resources <https://science.osti.gov/sbir/Applicant-Resources/National-Labs-Profiles-and-Contacts/National-Energy-Research-Scientific-Computing-Center>
 - Computing time available at no charge to DOE SBIR/STTR awardees
- Partnering Resources <https://science.osti.gov/sbir/Partnering-Resources>
- Review our [Phase III guidance](#)
 - Phase III is work that derives from, extends, or completes the effort performed in Phase I or II. Phase III awards are fundamentally different from Phase I and II awards and there are specific statutory and policy provisions that address these differences.



SBIR Partnering Platform

- [SBIR Partnering Platform](https://www.sbirpartnering.org/doe) provides searchable database where SBIR/STTR applicants (**INNOVATORS**) can find potential **PARTNERS** and network with other **INNOVATORS** to complete your team through collaboration and/or subcontract
 - Find **PARTNERS** using keyword and AI searching; myriad of filtering options
 - Find SBIR funding opportunities **across all agencies**
 - Bookmark favorites; **Confidential messaging**
 - **Network** with other **INNOVATORS** on the **Community Page**
 - Find opportunities posted by **PARTNERS** on the **Community Page**
 - Newsfeed for applicable industry/stakeholder news
 - **Check out** the resource page!
- As an SBIR/STTR awardee, register as an **INNOVATOR**
- NIH's National Heart Lung & Blood Institute (NHLBI) is a new addition!



<https://www.sbirpartnering.org/doe>



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DOE Disclaimer: By enabling and publishing the DOE SBIR Partnering Platform, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that appear on this platform as partners, resources, awardees or innovators.

Library of Commercialization Workshops

Focus on topics that are typical areas of weakness - manufacturing, licensing, financial modeling, preparing to pitch, intellectual property strategies, etc.

- ***FY22 Q4 - Commercialization and the Power of Partnering***
- ***FY23 Q1 - Preparing to Pitch***
- ***FY23 Q2 - Financial Modeling***
- ***FY23 Q3 - Navigating Phase III Contracting***
- ***FY23 Q4 – Licensing***
- ***FY24 Q1 – Preparing to Manufacture***
- ***FY24 Q2 - Financial Modeling based on Cash Flow***
- ***FY24 Q3 – Preparing for Product Launch***
- ***FY24 Q4 - Developing a Strategic Cap Table***
- ***FY25 Q1 – IP Strategies: Creating and Maintaining SCA***



<https://bit.ly/DOECommercializationWorkshops>



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Additional Partnering Resources

- Manufacturing Resources
 - Manufacturing USA (newer, state-of-the-art)
<https://www.manufacturingusa.com/institutes>
 - MEP centers (traditional)
<https://www.nist.gov/mep/centers>
- Engineering Design Resources
- Test/Certification Resources
- Commercialization Service Resources
 - Check State and local resources, too – see,
<https://www.sbir.gov/resources>



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<https://science.osti.gov/sbir/Partnering-Resources>

DOE National Lab Resources

- Looking for SMEs, facilities, collaborators at National Labs? Visit <https://www.labpartnering.org/>
 - *Another way to find SMEs, collaborators, subcontractors - review related research being done at research institutes (universities, colleges); check publications*
 - <https://science.osti.gov/sbir/Applicant-Resources/National-Labs-Profiles-and-Contacts#Ames>
- Looking for facilities for testing, integration and/or demonstration at National Labs
 - [**Energy Systems Integration Facility \(ESIF\)**](#), National Renewable Energy Lab (NREL)
 - [**Grid Research Integration and Deployment Center**](#), Oak Ridge National Laboratory (ORNL)
 - [**Electric Grid Test Bed**](#), Idaho National Laboratory (INL)
- [**Lab-Embedded Entrepreneurship Program \(LEEP\)**](#) (NREL, ORNL, LBNL, ANL) and [**New Mexico LEEP**](#) (SNL & LANL)



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<https://science.osti.gov/sbir/Partnering-Resources/Other-DOE-Resources>



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Science



Phase Shift I



Innovation Coach

Founding Instructor &
Program Director,
DOE Phase Shift Programs

Max Green

max@ratioflux.com



Phase Shift I

Program Overview

DoE program designed
to *increase the
economic impact* of
DoE-funded research.

Experiential program
prepares scientists and
engineers to *extend their
focus beyond the
laboratory*.

Why It Matters

BASED ON ANALYSIS OF 101 STARTUP POSTMORTEMS Top 20 Reasons Startups Fail



**Learn How to
Learn from the Market**

Early & Adjust Quickly

TOP 10 STARTUP MISTAKES



Program Overview

Participants will follow a structured process called Customer Discovery, to help answer the following questions:

- Who is your first customer?
- What problems / needs do your customers prioritize?
- What motivates a buying decision?

7 workshops

Introduction to process / concepts
Practice intellectual honesty

8 weeks effort

Practice process elements
Evolve business model

The Business Model

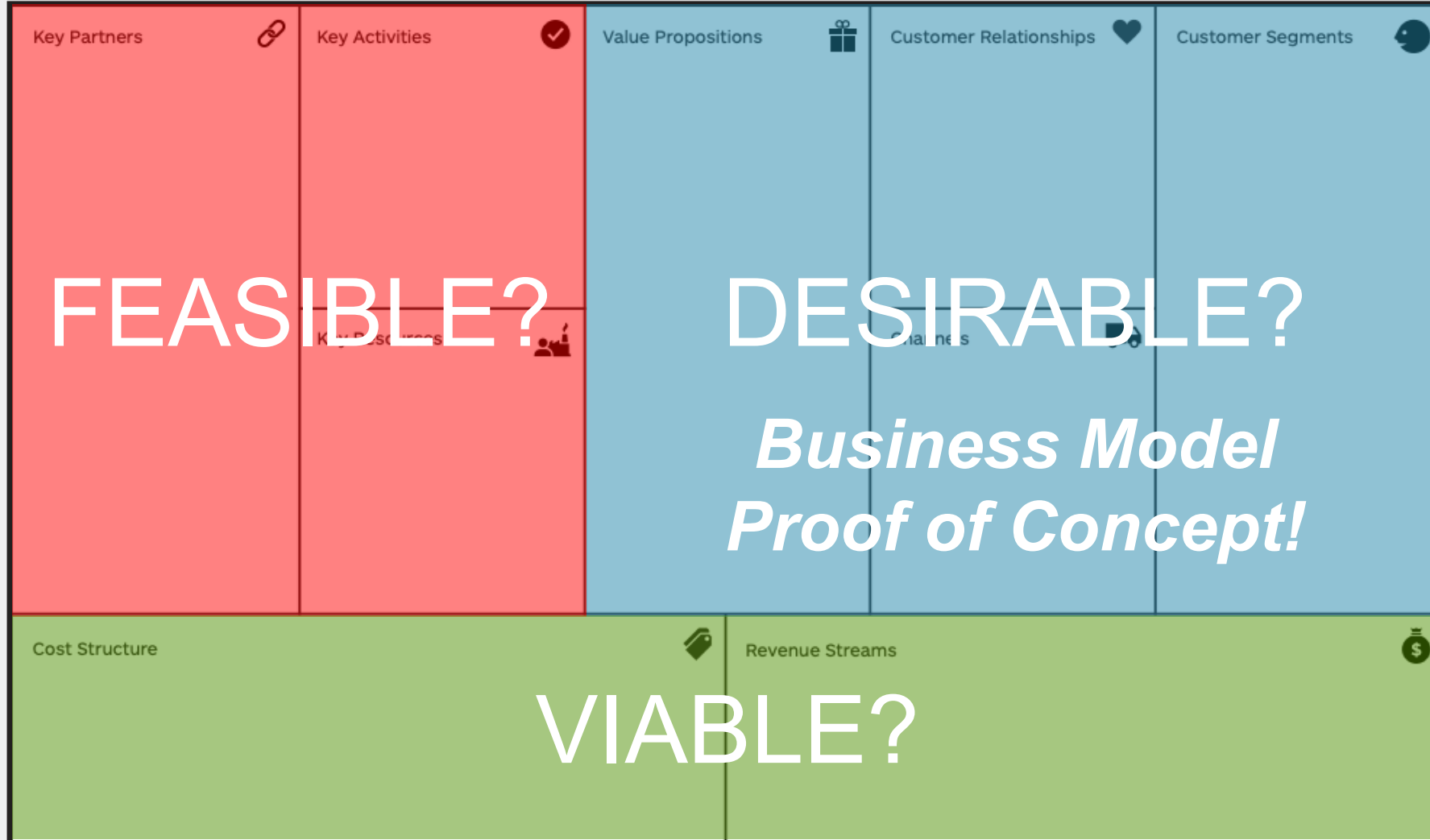
The Business Model Canvas

Designed for:

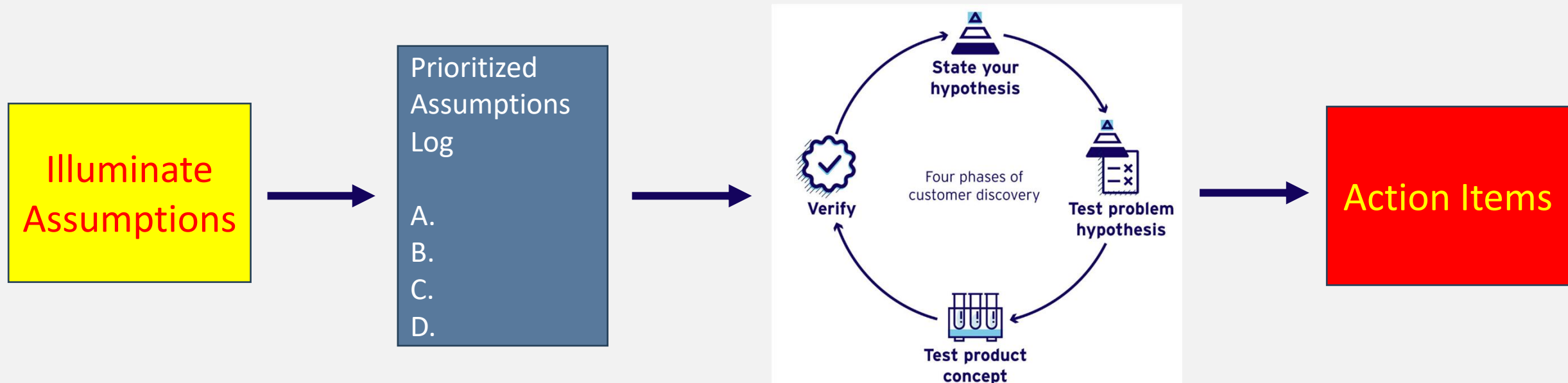
Designed by:

Date:

Version:



Process Rigor & Action



Structured Data Collection and
Evaluation Mechanism for
Exploring the Unknown

*Use Case
First Customers
Value Props*

Coaches

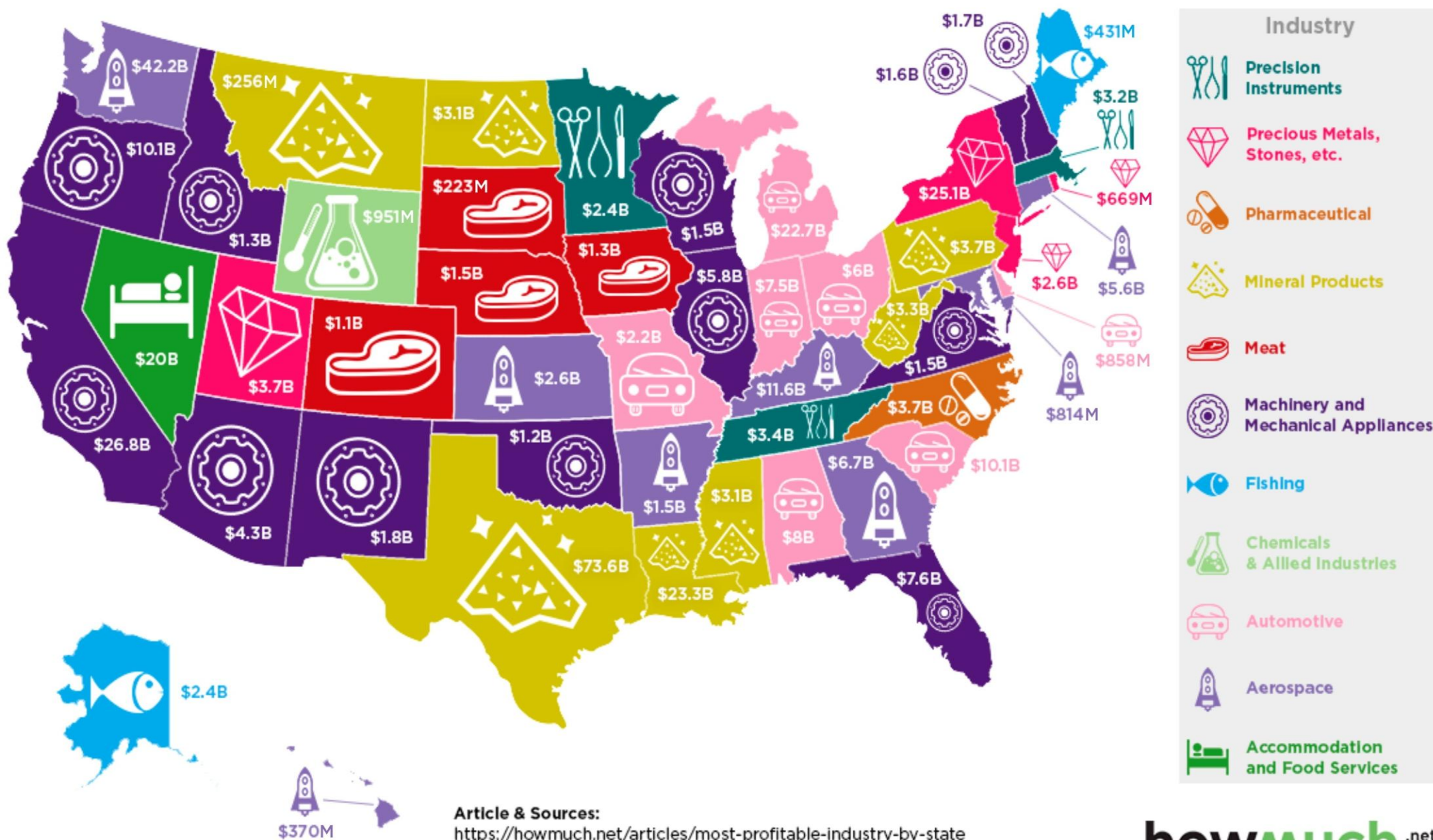


Program Outcomes

Strengthen the Phase II Commercialization Plan

- Validate initial market applications and customer needs / expectations
- Identify competitive advantages
- Expose channels to access your customers
- Identify how you will make money (i.e. direct sales, services, licensing)
- Assess alternative approaches to improve viability of your business model
- Increase your chances for funding

Value of the industry's top-selling products (\$ billion)



Article & Sources:
<https://howmuch.net/articles/most-profitable-industry-by-state>
<https://www.census.gov/>

howmuch.net

Travel
Funds
\$3,500

Travel to
Workshops

Meet your
customers

Connect
with
Industry



Phase Shift I

Apply Today!

Space is limited

DOE has extended
applications:
tomorrow, May 16

Connect with me:
max@ratioflux.com

Program website

Application Link

Program Commitment

Participation expectations from your team:

- 30+ Customer Discovery Interviews

- 2 Full Day Kickoff (in person – full days)

- 5 virtual workshops (~3 hrs each)

- 3 Coaching Sessions (1:1 engagement)

Commitment to the Process...

- Open to customer feedback – willingness to engage!

- Open to practice intellectual honesty / curiosity

- Open to new uses of your technology – “Pivot”

- Open to alternative commercialization pathways

“Even though I had 15 years of prior, corporate experience spent w/ marketing / business teams), *the I-CORPS training helped integrate all the scattered pieces previously learned, blended with the ones I needed but had not learned, all essential for giving commercialization a great shot.* I would only say: For startup leaders, this class is a must, make or break. Don’t do a start-up without it!”

“We were nervous about the time commitment, but we’re so glad we took the plunge. We learned an unfathomable amount of information about our intended industry, *confirmed our market entry point*, and *managed to identify industry landmines that we would have never known about* had we not participated in this program. Although we don’t know near enough about our intended industry yet, at least we know what we don’t know, and now have the contacts to continue learning. Can’t recommend this program enough.”

“The iCorps was invaluable for us and we learned a lot. It may sound trite, *but forcing us to complete mandatory customer discovery work definitely helped substantially strengthen our business case* and guide our future endeavors.

Phase Shift & TABA

Complementary programs intended to help you address key questions about your business.

TABA *Services Model*



Phase Shift *Journeyman Model*

You receive a service
You may dictate what you need done

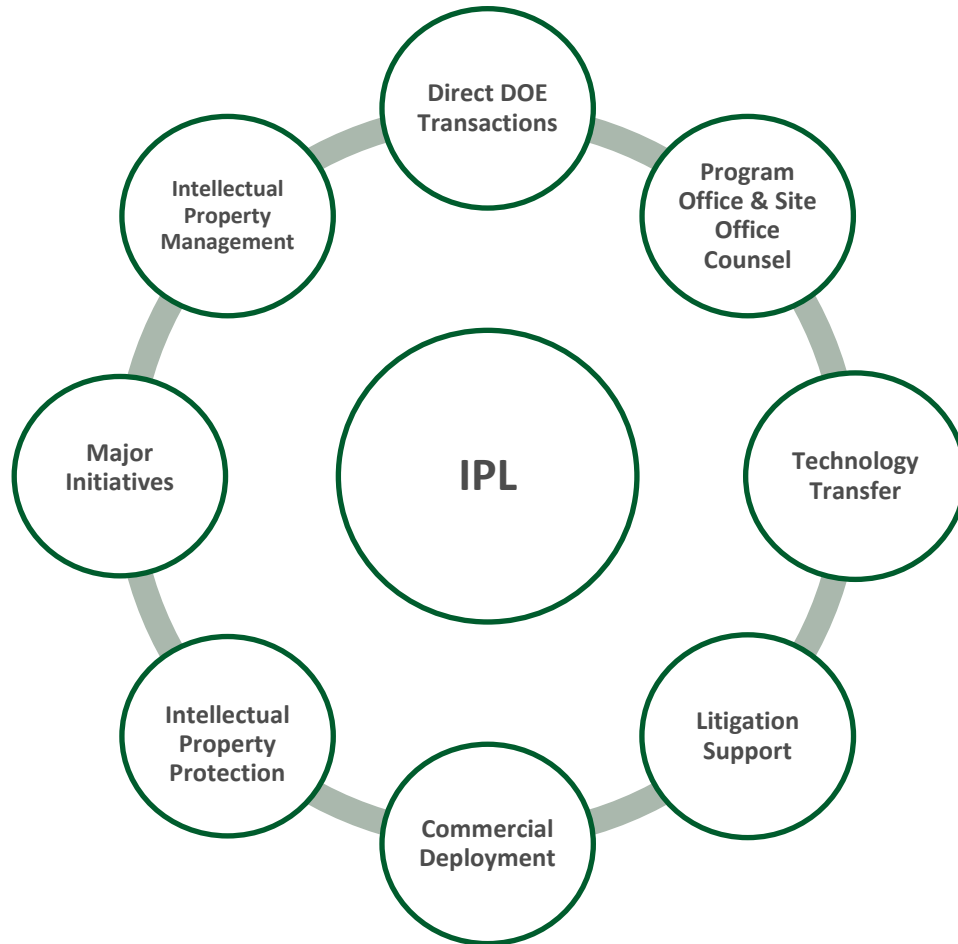
Learn directly from your customers
You are responsible for the outcome

IP Landscape Analysis
Customized Market Research
Regulatory Planning

Observe how customers operate
Evaluate their unmet needs
Build a network of customers

Program Logistics





Intellectual Property Law (IPL)

Moving Science Forward

Patent & Data Rights and Responsibilities under SBIR/STTR Awards

May 15, 2025

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Disclaimers – Consult your Attorney and [Award Terms](#)



Legal Representation: This presentation includes information about legal issues and legal developments for informational purposes only. These informational materials are not intended, and should not be taken, as legal advice on any set of facts or circumstances. You should contact an attorney for advice on specific legal problems.

Review your award terms, the [SBA's Policy Directive](#) and the applicable laws and regulations with your legal counsel!



Personal Views and Opinions: The views and opinions expressed in this presentation are those of the author and do not necessarily reflect the official policy or position of any agency of the U.S. Government.

Avoid Pitfalls

1

Properly mark your reports (SBIR/STTR markings only).

2

Timely report **all Subject Inventions** through iEdison (not just patents)

3

Watch statutory bars (publications, on-sale, and public use) and inform both your attorney and iEdison ASAP.

4

Watch U.S. Manufacturing requirements and consult DOE early with questions.

Data Rights v. Patent Rights

	Data Rights	Invention Rights
Intellectual Property	Copyright	Patent Must provide enabling disclosure to USPTO and be issued a patent!
Subject Matter	“original works of authorship fixed in any tangible medium of expression” 17 USC 102	“new and useful process , machine, manufacture, or composition of matter, or any new and useful improvement thereof” 35 USC 101
Disclosure to Government	Deliverables identified in the award. Typically, no deliverables after closeout.	All Subject Inventions and filed patents (Conceived or First Reduced to Practice) – Ongoing Obligation
Government Protection From Disclosure	Limited Rights, Restricted Computer Software, SBIR/STTR Data Rights	35 USC 205 - Confidentiality

- Export Control, Security Classification and other restrictions may also be applicable.
- **Provided for discussion purposes only.

SBIR/STTR Data Rights GTC-0025 -- Overview



“Data” -- All recorded information, regardless of the form or method of recording. Not just experimental data. Typically, only certain data is reported to the agency (e.g. Final Report or other deliverables).



Marked, Privately Funded Data
(Proprietary, Limited, and
Restricted Computer Software)

Technical Proposal(FOA): Typically, may include in proposal; consult FOA.

Progress or Final Reports: *Not authorized*, unless otherwise directed by the Contracting Officer.

“Unlimited Rights” (to the Government).

- Default rights to Government (all unmarked data).
- No obligation to protect.
- Automated Publication of the Final Technical Report.

Marked SBIR/STTR Data (Statutory)

- Data generated in the performance of an SBIR/STTR Award
- Properly marked as SBIR/STTR Data per award terms.
- Government will protect marked SBIR/STTR data from release outside the Government and Government Support Contractors for a limited period.
 - 20-years from award issuance fixed protection period (awards issued on or after May 2019). See 15 USC 638(j)(2)(A) and 638(p)(2)(B)(v).



Use the “20 YEAR SBIR/STTR DATA RIGHTS (2019)” legend. On the first page or cover page of the document containing SBIR/STTR Data. Subsequent pages shall also include the authorized legend or simply “SBIR/STTR Protected Data”.

May identify only portions of a page as SBIR/STTR Data (e.g., by circling or underscoring with a note or other appropriate identifier).

Do NOT mark reports with “Proprietary”, “Limited Data”, “Restricted Computer Software” or the corresponding markings found in the NOFO!



Identify as “20 YEAR SBIR/STTR DATA RIGHTS (2019)” in all submissions to Office of Scientific and Technical Information (OSTI).

20 Year SBIR/STTR Data Rights (2019)

Funding Agreement No _____ (e.g. DE-SC000nnnn)

Award Date _____ (*Block 27 on the Assistance Agreement*)

SBIR/STTR Protection Period: ***Twenty years from Award Date***

SBIR/STTR Awardee _____

This report contains SBIR/STTR Data to which the Federal Government has received SBIR/STTR Technical Data Rights or SBIR/STTR Computer Software Rights during the SBIR/STTR Protection Period and Unlimited Rights afterwards, as defined in the Funding Agreement. Any reproductions of SBIR/STTR Data must include this legend.

****No other protective legends should be used!***

OSTI Submission -- www.osti.gov/elink/

3. Authors

4. Content

5. Related Documents

6. Contact Info

7. Upload/Link

8. Certifications

9. Summary

* DOE Award/Contract Number ?

DE-

Other Identifying Numbers ?

Award DOIs ?

(Click on a row below to Edit or Delete Award DOIs)

DOI	Funder
No data available in table	

Showing 0 to 0 of 0 entries

Add Award DOI

Clear

* Recipient/Contractor (Organization) ?

* STI Product Type ?

* STI Sub Type

☒ SBIR ☐ STTR

* SBIR/STTR Phase

☒ I ☐ II ☐ IIA ☐ IIB ☐ III

* Intellectual Property/Distribution Limitations ?

Final Report Certifications

- I represent and warrant that the technical report being submitted does **NOT** contain any of the following:
 - Personally Identifiable Information (PII), limited rights data, classified information, information subject to export control classification, or other information not subject to public release.
- Submissions must not contain any “Proprietary”, “Confidential” or “Business Sensitive” markings or similar restrictive markings not authorized by the applicable government agreement; I acknowledge that DOE has the right to cancel or ignore such markings.

Other Legends



"©" -- If including Copyrighted Notice, must include

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Third party copyrighted material

Must remove from final technical report.



Data generated with private funding (Limited Rights Data, Restricted Rights Data), **Export Control** or **Classified** information should not be submitted through OSTI and should not be on the report.

Please contact Contracting Officer.
Do not email classified information.



Data markings when disclosing to others

Consult your attorney (e.g. NDA, confidential data markings, patent, copyright, trade secret, protection).

Avoid Pitfalls

1

Properly mark your reports (SBIR/STTR markings only).

2

Timely Report all subject inventions through iEdison (not just patents)

3

Watch Statutory bars (publications, on-sale, and public use) and inform both your attorney and iEdison ASAP.

4

Watch U.S. Manufacturing requirements and consult DOE early with questions.

Patent Rights GTC-0024 – 35 USC 202 (Bayh-Dole Act)

Statutory language (Bayh-Dole Act - 35 USC 202 et seq.)

- Uses published terms at from 37 CFR 401.14.
- Modified to require substantial U.S. manufacture in the U.S. (Takeaway #4

Allows small businesses and non-profit entities to retain title to timely reported subject inventions

- When issuing subcontracts, must grant non-profit and small business entities rights to their inventions. Non-profit and small business may grant invention right (e.g. patent assignments, licensing etc.), but not as a consideration for awarding a subcontract.
- DOE Patent Counsel should be consult for subcontracts to entities other than small business and non-profit entities.
- Subject to certain Government Rights (e.g. Government License, March-In, U.S. Manufacturing).

Government may take title to inventions

- Unelected inventions/patents.
- Late actions (e.g. reporting, title election, filing).
- Unreported inventions.
- Failure to substantially manufacture a subject invention in the U.S. without a waiver.

Invention Reporting (iEdison)



“Invention” means any invention or discovery which is or may be patentable or otherwise protectable under title 35 of the United States Code...



“Subject invention” means any invention of the Recipient **conceived or first actually reduced to practice in the performance of work** under this award (*GTC 0024 (a)*).



Must implement written agreement with employees to report inventions (*GTC 0024 (f)*) .

Invention Reporting (iEdison)

Invention Report

Disclose in iEdison within two months after the inventor discloses it in writing (GTC 0024 (c)(1)).

- Report the invention even if you do not intend to pursue patent protection!
- Leverage your existing invention management process.
- Create an iEdison account now.
- Must report subject inventions at any time, even after closeout.
- Must disclose and elect 60 days before any Statutory Bars (GTC 0024 (c)(2)), including any publication, on sale or public use of the invention.
- Invention Disclosures are protected under 35 U.S. Code § 205 – Confidentiality, NOT as SBIR/STTR Data
- Notify DOE of the acceptance of any publication, on sale or public use.

Election Decision

Make an election decision in iEdison within 2 years

- Elect the inventions you wish to retain and pursue patent application on.
- A patent application must be filed on elected patent applications within 1 year.
- Annual utilization reports are required for elected inventions.
- Non-elect inventions you will not pursue patent protection on.
- DOE will evaluate.

Patent Application Filing

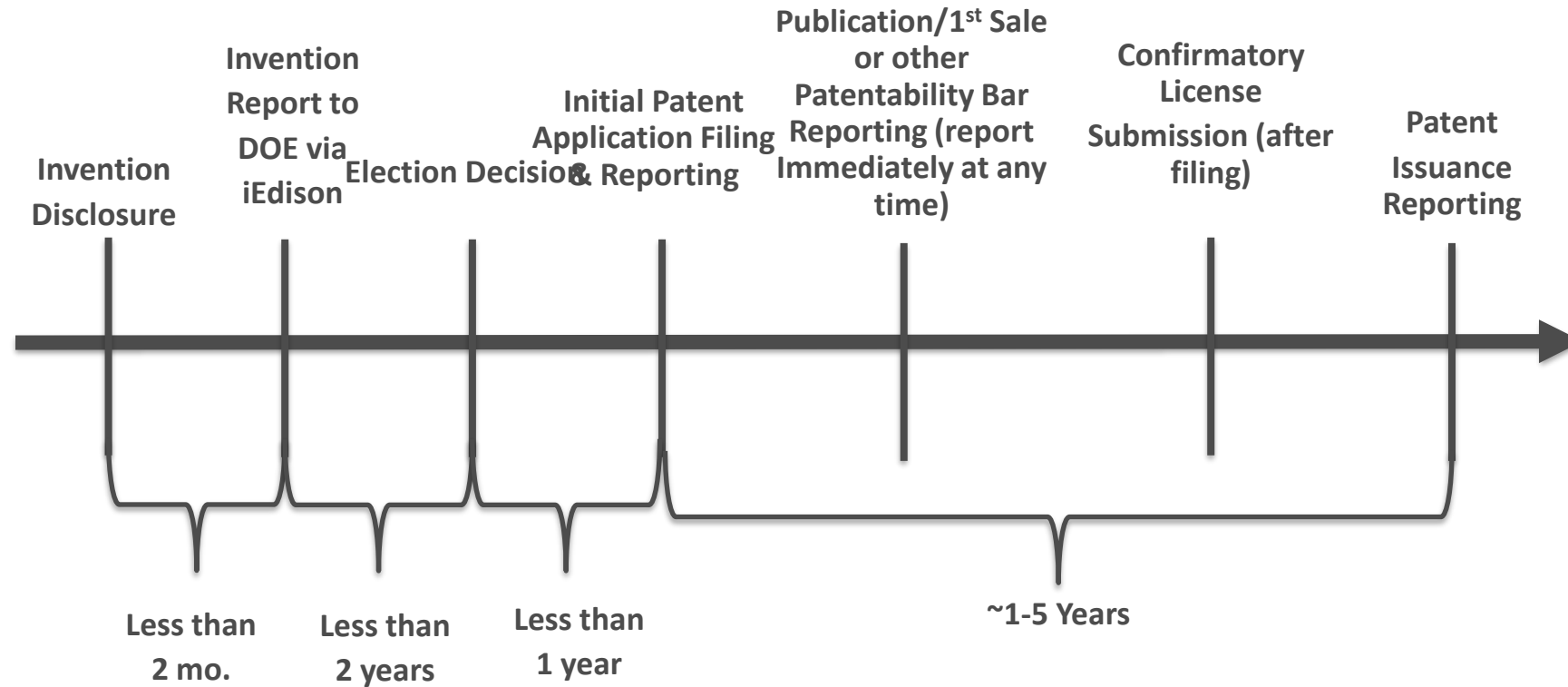
Report Patent Filings in iEdison

- Include the Government Support Clause in the patent application.
- Provide a Confirmatory License.

iEdison Contacts

- www.nist.gov/iedison
- For system issues with iEdison, please contact: iedison@nist.gov
- DOE invention reporting support, please contact:
 - Maritza Rodriguez
iEdison Lead
Maritza.Rodriguez@science.doe.gov
Phone : (630) 283-7117

Invention Reporting Timeline



- **DOE may extend any due dates (including invention reporting) with substantive justification.*
- *** DOE may pursue patent protection on unreported, unelected, or abandoned inventions.*

Patent Filing



File an “Initial Patent Application” within a year of election

Defined to include, both provisional and non-provisional patent applications, as well as PCT applications. See 37 CFR 401.2(n).



Provide DOE with a copy of each application and filing information.

GTC 0024 and award checklist



Provide DOE with a [confirmatory license](#)

GTC 0024 (f)(1)

Report in iEdison using the generated iEdison confirmatory license.



Notify DOE of any decision to discontinue prosecution of any patent application.

GTC 0024 (f)(3))

Report in iEdison



Include a Government Interest Clause in Application.

GTC 0024 (f)(4)

“This invention was made with Government support under (identify the award) awarded by the U.S. Department of Energy. The Government has certain rights in this invention.”



****USPTO does provide micro and small entity discounts ****

Patent Prosecution Cost Allowability

- Technical and Business Assistance (TABAs) (15 USC 638(q)) funds (\$6,500 Phase I; \$50,000 Phase II) may be authorized for patent prosecution costs (obtaining a patent by having a patent application examined and granted by the U.S. Patent and Trademark Office) related to obtaining U.S. patent protection for **Subject Inventions** of this award.
 - Includes attorney fees and USPTO fees.
 - Includes filings with the USPTO related to provisional, PCT, non-provisional, continuation, and continuation-in-part patent applications.
 - Excludes patent prosecution costs related to foreign patent protection (e.g. foreign attorney, foreign patent office or translation fees).
 - Unlikely to have a subject invention created and filed during the Phase I award.
 - Need to include patent costs in commercialization assistance budget.
- Other Intellectual Property/Commercialization Costs may be allowable
 - Freedom to operate, market analysis, searching costs may be allowable.
 - Intellectual property licenses are typically not allowable as they are not a required cost in performance of the award. Check for Government Licenses.

Closeout - Invention Certification

- Invention Certification
 - Certify all inventions, patent applications, and patents are reported by DOE S-number or iEdison Invention Number.
 - If you do not have an S-number or iEdison number, was the invention reported?
 - Certified inventions should match list of inventions reported in iEdison.
 - Need certification from subawards.
 - Prime may certify or obtain separate certification from each subcontractor.

DOE F 2050.11
(10/17)
(All Other Editions Are Obsolete)



Department of Energy

OMB Control No. 1910-0800
Expiration Date: 10/31/2021

Invention Certification For Federal Award

Prime Contractor Name:
Prime Contract Number:
Task Order Number:
Certifying Entity Type:
Certification Type:

This certification is the final and complete patent certification submitted by the undersigned and covers all subject inventions developed or first reduced to practice in the performance of the above identified task order, subcontract or contract, except for any subcontracts listed below as not being included in this certification.

Contractor hereby certifies that all subject inventions have been identified and disclosed as required by the patent clause of the applicable subcontract or contract.

Subcontractor(s):

Research and Development Subcontractor:

Subcontractor Name:
Subcontract Number:
Invention Certification

Listing of Subject Invention(s):

Subject Invention:

DOE S-Number or iEdison Invention Report Number/EIR Number:
Corresponding Patent/Application Number(s):

Avoid Pitfalls

1

Properly mark your reports (SBIR/STTR markings only).

2

Timely report all subject inventions through iEdison (not just patents).

3

Watch statutory bars (publications, on-sale, and public use) and inform both your attorney and iEdison ASAP.

4

Watch U.S. Manufacturing requirements and consult DOE early with questions.

Statutory Bars (35 USC 102(a))



Patented



Described in a printed publication, or



in public use, on sale, or otherwise available to the public

Statutory Bars

- U.S. has one year “grace period” (35 USC 102(b)). Most other countries do not.
- Invention disclosure must **identify any publication, on sale or public use** of the invention (*GTC 0024 (c)(1)*). Will shorten election period.
- Myths (Discuss with your Patent Counsel)
 - As long as you file within a year, you won’t lose patents rights after publishing.
 - Potential loss of both foreign and domestic patent rights.
 - Publish or perish!
 - False dichotomy.
 - Patent, publish and profit!

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4

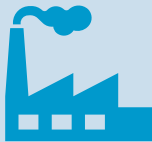
Watch U.S. Manufacturing requirements and consult DOE early with questions.

U.S. Competitiveness



Consult NOFO, Award Terms and DOE Guidance

[U.S. Manufacturing | Department of Energy](#)
[Frequently Asked Questions \(FAQs\) | Department of Energy](#)



Requires substantial U.S. Manufacture of Subject Inventions

For products embodying or produced through a subject invention (e.g. methods or manufacturing apparatus)

Additional requirement from U.S. Preference (35 U.S.C. 204)



DOE will accept and consider all applications for a clarifications, waiver or modification with business justification

DOE recognizes the need for flexibility and expects to modify the U.S. Competitiveness Provision in certain situations. DOE may grant waiver or modification requests. Petitions for a waiver or modification of U.S. manufacturing requirements should be submitted in iEdison.

U.S. Competitiveness (SBIR/STTR Feb. 2022)

- SBIR/STTR-GTC-0024 PATENT RIGHTS (m) U.S. Competitiveness
- (1) The Recipient agrees that any products embodying any subject invention or produced through the use of any subject invention will be manufactured substantially in the United States unless the Recipient can show to the satisfaction of DOE that it is not commercially feasible. In the event DOE agrees to foreign manufacture, there will be a requirement that the Government's support of the technology be recognized in some appropriate manner, e.g., alternative binding commitments to provide an overall net benefit to the U.S. economy. The Recipient agrees that it will not license, assign or otherwise transfer any subject invention to any entity, at any tier, unless that entity agrees to these same requirements. (2) In the event that the Recipient or other such entity receiving rights in the Subject Invention undergoes a change in ownership amounting to a controlling interest, the Recipient or other such entity receiving rights shall ensure continual compliance with the requirements of this paragraph (m) and shall inform DOE, in writing, of the change in ownership within 6 months of the change. (3) The Recipient and any successor assignee will convey to DOE, upon written request from DOE, title to any subject invention, upon a breach of this paragraph (m). The Recipient will include this paragraph (m) in all subawards/contracts, regardless of tier, for experimental, developmental or research work.
-

Avoid Pitfalls

1

Properly mark your reports (SBIR/STTR markings only).

2

Timely report **all subject inventions** through iEdison (not just patents).

3

Watch statutory bars (publications, on-sale, and public use) and inform both your attorney and iEdison ASAP.

4

Watch U.S. Manufacturing requirements and consult DOE early with questions.

Work Well with Others



Follow award terms for all subcontracts

Incorporate Patent Rights GTC-0024 in all R&D subcontracts (except DOE Laboratories)!



Consider working with a DOE Laboratory.

DOE Approved, streamlined SPP or User agreements.

DOE User facility non-proprietary (DOE funded) or proprietary (privately funded).



Phase III Awards

“The scope and extent of the SBIR/STTR Data Rights applicable to Federally-funded Phase III awards are identical to the SBIR/STTR Data Rights applicable to Phases I and II SBIR/STTR awards.” SBA Policy Directive pg. 102

Look for DOE’s Phase III Guidance

STTR Requirement: Commercialization Rights Agreement



DOE Certification Form: [Certification for Property and Commercialization Rights Agreement.](#)



DOE Model Agreement Form: [Allocation of Intellectual Property Rights and Rights to Carry Out Follow-on Research, Development, or commercialization.](#)



DOE Laboratories may use a SPP or CRADA as the Commercialization Rights Agreement.

STTR Commercialization Rights Agreement: Considerations



The research institution will retain title to their inventions. Therefore, the allocation of intellectual property rights should provide for at least an option to negotiate a non-exclusive license in any inventions by the research institution.



Know-how: Does your agreement (e.g. statement of work) consider the transfer of know-how from the research institution to your business.



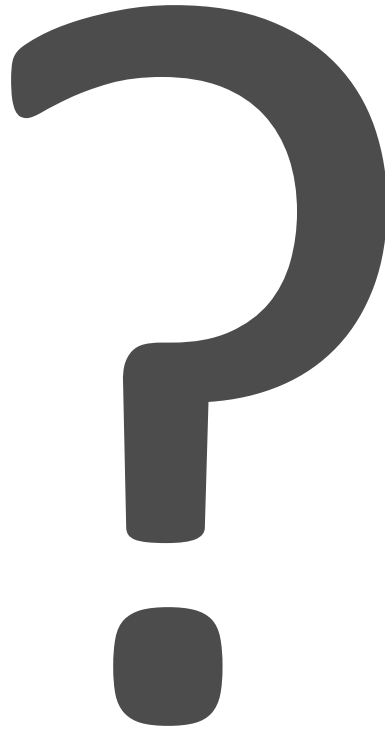
Equipment: How is personal property is retained, by you or the research institution.

Technology Transfer Mechanisms at DOE Facilities

Agreement	Use	Funding	Subject Inventions	Generated Data	U.S. Competitiveness	Cost	Highlights
Cooperative Research and Development Agreement (CRADA)	Collaborative research between DOE Labs and public and/or private entities for the mutual benefit of the parties	Private and/or Federal funds	Lab and Participant may elect their own inventions and Participant has right to negotiate exclusive license to Lab inventions	Protected for up to 5 years	Products embodying IP resulting from CRADA shall be manufactured substantially in the U.S.	Lab and Participant may share costs or Participant pays 100% funds-in	<ul style="list-style-type: none"> ✓ Collaborative research ✓ 5 year data protection ✓ Designed for multi-party collaborative research
Strategic Partnership Project (SPP)	Work for businesses and other non-federal entities using highly specialized or unique DOE facilities, services or technical expertise	Private funds	Sponsor may elect title to Subject Inventions ¹	Protected as Sponsor's proprietary data w/limited exceptions ^{1,2,3}	U.S. Preference: Sponsor agrees not to grant any party exclusive right to use or sell products embodying Subject Inventions in the U.S. unless products are manufactured substantially in the U.S.	Sponsor pays full cost recovery	<ul style="list-style-type: none"> ✓ Sponsor typically retains right to elect title to subject inventions ✓ Generated data treated as proprietary ✓ Option for limited Gov. R&D license³
		Federal funds	Lab may elect title to Subject Inventions of the Lab	Unlimited Gov. rights or flow down of SBIR/STTR Data	U.S. Preference (see above)	Sponsor pays full cost recovery	<ul style="list-style-type: none"> ✓ Access to unique facilities and expertise using federal funds ✓ Streamlined SBIR/STTR Preapproved Model may be available
Agreements for Commercializing Technology (ACT)	Work for businesses and other non-federal entities using highly specialized or unique DOE facilities, services or technical expertise	Private funds	Initial title to the designated IP Lead. (ACT Participant or Lab Contractor)	Protected as proprietary data w/limited exceptions ^{1,2,3}	U.S. Preference (see above)	Participant pays full cost recovery <u>plus</u> additional negotiated compensation to the Contractor	<ul style="list-style-type: none"> ✓ Flexibility for addressing indemnity & adv. payment ✓ Negotiable IP terms ✓ Optional performance guarantee ✓ Option for limited Gov. R&D license³
Proprietary User Agreement ⁴	User may access designated facilities to conduct its own proprietary research	Private funds	User may elect title to its Subject Inventions	User may protect as proprietary	n/a	User pays approved user rate	<ul style="list-style-type: none"> ✓ Generated data treated as proprietary ✓ Merit based access to unique facilities
Non-Proprietary User Agreement ⁴	Non-proprietary research at designated facilities	n/a	Lab and User may elect their own Subject Inventions	Unlimited Gov. Rights	U.S. Preference (see above)	Each party covers own cost	<ul style="list-style-type: none"> ✓ Merit based access to unique facilities ✓ Agree to publish results.

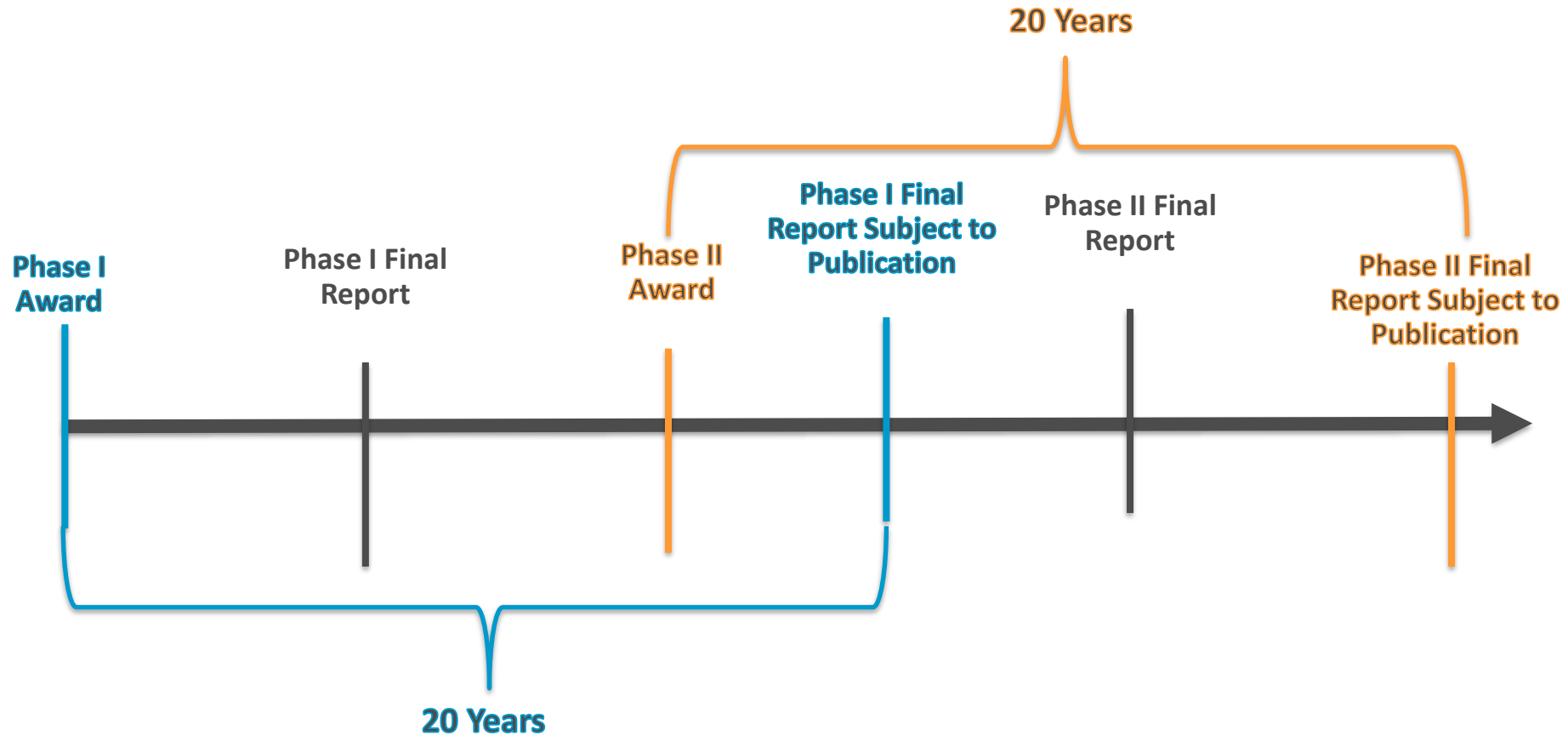
¹ Certain exceptions or restrictions may apply (e.g. foreign SPP Sponsors may be granted the right to elect title to inventions and receive proprietary data protection but only after the approval of DOE field patent counsel and concurrence from the cognizant DOE program office). ² Proprietary data protection may not be available at all facilities. ³ If the limited Gov. R&D license is utilized, data protection will be limited to 5 years. ⁴ User Agreements are only available when the Sponsor/Participant/User is proposing to use a DOE Designated User Facility that offers such agreements. (see, <http://technologytransfer.energy.gov/docs/designateduserfacilities.html>)

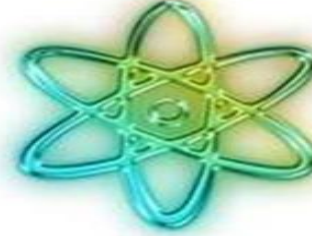
Questions?



20 Year SBIR/STTR Data Rights (2019)

- Fixed 20-year data protection from award date (Block 27 on the Assistance Agreement).





Post Award Requirements for DOE SBIR/STTR Phase I Awardees

Mark Sojka
DOE Office of Science Consolidated Service Center



Overview



- **Site Visit Findings**
- **Importance of Knowing Your T&Cs**
- **Award Attachments**
- **Revisions to Award Needing Prior Approval**
- **Current and Pending Support**
- **Disclosure of Foreign Relationships**
- **Closeouts**

Recipient Site Visits Conducted by DOE In-Person and Virtually

- Checked for Compliance with Award Terms and Conditions
- Reviewed ASAP Draw Supporting Documents
- Performed Accounting Systems Reviews
 - Ensure costs could be segregated
- Property/Equipment Reviews
- Answered Recipient Questions Concerning SBIR/STTR Program

- **Findings:**

- Recipients Did Not Always Have Adequate Support for Their ASAP Draws
- ASAP Draws in Advance (vs. Reimbursement)
- Cumulative Job Cost Totals Rather Than Snapshot of Costs to Support Particular ASAP Draw
- Missing SF-425s
- Property Controls/Tracking of Subcontractor-acquired equipment did not list its location; follow-up confirmed location/status.

- **Findings (cont.)**

- Insufficient Property Insurance Coverage
- DOE wasn't notified of company move
- DOE was charged higher than MI&E per diem rates stated in Company Policy Limits

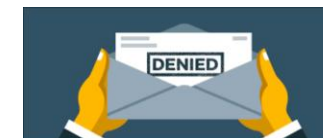
Importance of Knowing Your T&Cs

Per 2 CFR 200.338 Remedies for Noncompliance, if a non-Federal entity fails to comply with Federal statutes, regulations or the terms and conditions of a Federal award, the Federal awarding agency may impose additional conditions, as described in §200.207 Specific conditions.

- Remove from Payment via ASAP/Require Submission of Invoices
- Temporarily withhold cash payments pending correction of the deficiency
- Denial of future SBIR/STTR Applications (due to Poor Past Performance)
- Withholding of Continuation Funding (Phase II Only)

If the Federal awarding agency determines that noncompliance cannot be remedied by imposing additional conditions, the Federal awarding agency may take one or more of the following actions, as appropriate in the circumstances:

- Disallow all or part of the grant costs not in compliance (Cost Recovery)
- Wholly or partly suspend or terminate the Federal award.
- Initiate suspension or debarment proceedings (of individuals and/or the Company)
- Withhold further Federal awards for the project or program.
- Take other remedies that may be legally available.

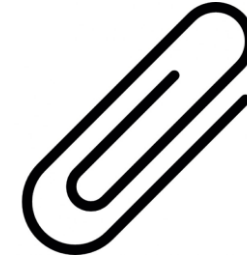


Audits and Other Findings:

- Recipient did not meet the minimum Research Institution Level of Effort (30%) for an STTR and therefore DOE sought over \$18K in cost recovery. The recipient appealed the DOE Contracting Officer's decision to the DOE Senior Procurement Executive, and was denied. The recipient paid DOE the money sought plus interest.
- Two individuals were indicted, and found guilty of, committing conspiracy to commit wire fraud, wire fraud, aggravated identity theft and falsification of records. DOE recouped \$149,720.
- DOE recovered \$16,500 as a result of a plea agreement from an SBIR awardee; the awardee plead guilty to wire fraud.
- DOE OFS Audit and Review Team performing reviews of Awards
 - Possible undisclosed conflict of interest and payroll issues
 - ASAP draw reviews and Excessive Cash-on-Hand Balances

Award Attachments

- **Transmittal Letter**
- **Final Budget Pages**
- **Special Terms and Conditions**
- **Federal Assistance Reporting Checklist**
- **General Terms and Conditions**
- **Know Your Rights Poster**
- **Patent Responsibility Letter**



Special Terms and Conditions

- **Incorporates Provisions Stated in 2 CFR Part 200 and as amended in 2 CFR Part 910 (DOE-Specific).**
<http://www.eCFR.gov>
- **Highlights:**
 - **FA-TC-0001C Award Project Period and Budget Periods**
 - **FA-TC-0003.2 Payment Procedures – REIMBURSEMENT Through the Automated Standard Application for Payments (ASAP)**
 - **FA-TC-0007.1 Rebudgeting and Recovery of Indirect Costs**
 - **FA-TC-0013 Reporting Requirements**
 - **FA-TC-0025A Insurance Coverage, FA-TC-0025D Equipment, FA-TC-0025G Property Trust Relationship (these 3 clauses pertain to awards containing equipment)**



Reporting Requirements



U.S. DEPARTMENT OF
ENERGY
Office of Science-Chicago Office

Phase I

DOE F 4800.2
(3/2017)
All Other Editions Are Obsolete

U.S. Department of Energy FEDERAL ASSISTANCE REPORTING CHECKLIST AND INSTRUCTIONS

1. Identification Number: See Block 1 of the Assistance Agreement		2. Program/Project Title: See Block 21 of the Assistance Agreement	
3. Recipient: See Block 5 of the Assistance Agreement			
4. Reporting Requirements:		Frequency	Addressees
A. MANAGEMENT REPORTING			
<input checked="" type="checkbox"/> Research Performance Progress Report (RPPR) (RD&D Projects)		O-See Note 5.a.	https://www.fedconnect.net/fedconnect/default.aspx
<input type="checkbox"/> Progress Report (Non-RD&D Projects)		A	https://www.fedconnect.net/fedconnect/default.aspx and an E-mail to the DOE Program Manager listed in Block 15 of the Assistance Agreement. The E-mail address is listed on the Assistance Agreement Continuation Sheet
<input checked="" type="checkbox"/> Special Status Report			
B. SCIENTIFIC/TECHNICAL REPORTING (Dissemination of results is required for RD&D projects. Reports & other S&T publications/products must be submitted using the appropriate DOE Announcement Notice (AN) located at: https://www.osti.gov/eliink)			
Product			Announcement Notice (AN)
<input checked="" type="checkbox"/> Scientific & Technical Reporting Product		O	
A. Journal Article-Accepted Manuscript DOE AN 241.3		O-See Note 5.a.	http://www.osti.gov/eliink-2413
B. Scientific/Technical Conference Paper/ Presentation or Proceedings DOE AN 241.3		O-See Note 5.a.	http://www.osti.gov/eliink-2413
C. Scientific/Technical Software & Manual DOE AN 241.4			http://www.osti.gov/estso/241-4.jsp
D. Other STI (e.g., dissertation/thesis, see instructions) DOE AN 241.3			http://www.osti.gov/eliink-2413
<input checked="" type="checkbox"/> Final Scientific/Technical Report DOE AN 241.3		F-See Note 5.d.	http://www.osti.gov/eliink-2413
C. FINANCIAL REPORTING			
<input checked="" type="checkbox"/> SF-425 Federal Financial Report		O-See Note 5.e. F-See Note 5.d.	E-mail to FFR@science.doe.gov https://www.fedconnect.net/fedconnect/default.aspx
D. CLOSEOUT REPORTING			
<input checked="" type="checkbox"/> Patent Certification		O-See Note 5.g.	https://www.fedconnect.net/fedconnect/default.aspx
<input checked="" type="checkbox"/> SF-428 & 428B Final Property Report		O-See Note 5.g.	https://www.fedconnect.net/fedconnect/default.aspx
<input checked="" type="checkbox"/> Other (see special instructions)		O-See Note 5.g.	https://www.fedconnect.net/fedconnect/default.aspx
E. OTHER REPORTING			
<input type="checkbox"/> Annual Indirect Cost Proposal			https://www.fedconnect.net/fedconnect/default.aspx (or Cognizant Federal Agency)
<input checked="" type="checkbox"/> Audit of For-Profit Recipients		O-See Note 5.h.	https://www.fedconnect.net/fedconnect/default.aspx & send to CFO at: DOE-Audit-Submission@hq.doe.gov
<input checked="" type="checkbox"/> SF-428 Tangible Personal Property Report Forms Family		F-See Note 5.l.	https://www.fedconnect.net/fedconnect/default.aspx
<input checked="" type="checkbox"/> Other (see special instructions)			
<input checked="" type="checkbox"/> SBIR/STTR Funding Agreement Certification-Life Cycle		O-See Note 5.j.	https://www.fedconnect.net/fedconnect/default.aspx
<input checked="" type="checkbox"/> Subject Invention Reporting and Patent Reporting		O-See Note 5.k.	https://www.nist.gov/edison
<input checked="" type="checkbox"/> NDAA of 2019 Annual Technical or Business Assistance Report		F-See Note 5.l.	http://www.osti.gov/eliink-2413
<input checked="" type="checkbox"/> Disclosure of Foreign Relationships		O-See Note 5.m.	https://www.fedconnect.net/fedconnect/default.aspx and U.S. Small Business Administration
<input checked="" type="checkbox"/> Current and Pending Support		O-See Note 5.n.	https://www.fedconnect.net/fedconnect/default.aspx

FREQUENCY CODES AND DUE DATES:

A – Within 5 calendar days after events or as specified.
Y – Yearly; within 90 days after the end of the reporting period.
Q – Quarterly; within 30 days after end of the reporting period.
O – Other; See special instructions for further details.

F – Final; within 90 calendar days after expiration or termination of the award.
Y180 – Yearly; within 180 days after the end of the recipient's fiscal year.
S – Semiannually; within 30 days after end of reporting period.

Research
Performance
Progress Report
(RPPR)
Special Status Report

SF-425

Compliance
Audit

Life Cycle
Certification

Disclosure of
Foreign
Relationships

Current and Pending
Support

Closeout

Final SF-425

Patent Certification

Property
Certification (SF-428)

Final Technical
Report

Life Cycle
Certification

Note: Reporting Requirements are subject to change via award modification.

General Terms and Conditions

- GTCs highlight those requirements which are especially pertinent to research grants in general.
- GTCs DO NOT represent an exhaustive listing of all requirements applicable to the Assistance Agreement.
- Highlights:
 - Revisions requiring Contracting Officer (CO) Approval
 - Current and Pending Support
 - Reporting of Disclosure of Foreign Relationships
 - Property
 - SBIR/STTR Participation Requirements (Awardee and PI)
 - Patent Rights
 - Rights in Data

KNOW THE RULES!

PI/Key Personnel Changes

- **PI Change request submitted via Portfolio Analysis and Management System (PAMS)**
- **Selection of the new PI from registered PAMS users**
 - Specify how to handle the current PI (remove from award or leave on award but change role to Other)
 - Attach resume or CV of the new PI.
- **The Small Business Authorized Representative must submit the request.**
- **Changes to the PI and other Key Personnel require prior DOE CO approval**

Award Revisions – Other Types

- **Change/add Subcontractor**
- **Novation Agreement**
- **Change of Name Agreement**
- **Work outside of U.S.**
- **No Fund/Cost Extensions (NFX)**



Note: Per the PAMS clause in the GTCs, NFX and PI change requests need to be submitted via PAMS.

Contact your DOE Assistance Agreement Administrator if you anticipate any of these revisions.

No Fund Extensions

- Approvals for an NFX will not be granted for an award that contains a zero dollar balance.
- Recipients are not authorized to grant themselves an extension.
- Proposed end date cannot go/extend beyond start date of the upcoming Phase II start.
- Submit request via PAMS no later than 10 calendar days prior to the expiration date. See SBIR/STTR-GTC-0043
- The request must be submitted by the Recipient Business Officer
- Info Required in Request:
 - Project status
 - Reason for extension
 - Extension date
 - Remaining Grant \$ Balance



SBIR/STTR-GTC-0074-CH Current and Pending Support

- In accordance with the Federal Assistance Reporting Checklist, throughout the life of the award, the Recipient must submit current and pending support disclosure statements and a CV or Biosketch for any new PI and/or previously unnamed senior/key personnel, **including graduate students and postdoctoral associates, at the recipient and subrecipient level,** proposed to be added to the project funded under this Award at least thirty (60) days prior to the individual joining the project. In addition, **if there are any changes to current and pending support disclosure statements previously submitted to DOE, the Recipient must submit updated current and pending disclosure statements within thirty (30) days of the change.**
- The Recipient must ensure all PIs and senior/key personnel, including graduate students and postdoctoral associates, at the recipient and subrecipient level, are aware of the requirement to submit updated current and pending support disclosure statements to DOE. **Current and pending support is intended to allow the identification of potential duplication, overcommitment, potential conflicts of interest or commitment, and all other sources of support.**
- All foreign government-sponsored talent recruitment programs must be identified in current and pending support.

SBIR/STTR-GTC-0041 Reporting of the Disclosure of Foreign Relationships

- **Disclosure statement originally submitted must be updated for any changes as follows:**
 - Any change to a disclosure required under the Disclosure of Foreign Relationships,
 - Any material misstatement that DOE could determine to pose a risk to national security, and
 - A change in ownership, change to entity structure, or other substantial change in the circumstances of the small business concern that DOE could determine to pose a risk to national security
- **The Disclosure of Foreign Relationships is located at:**
<https://science.osti.gov/sbir/Applicant-Resources/Grant-Application>.
- Must be submitted to CO via FedConnect and to the SBA **w/i 30 days of a change and 30 days prior to the end of Phase I performance period** along with the Life Cycle Certification

Penalties for Failing to Disclose Foreign Relationships

- Recipient will be required to repay all amounts received under the award (15 U.S.C. § 638(g), (o)) if there is a material misstatement that DOE determines poses a risk to national security, or there is a change in ownership, change to entity structure, or other substantial change in the circumstances of the small business concern that DOE determines poses a risk to national security.
- Further, the Recipient may be subject to the remedies established by 2 CFR 200.339 Remedies for noncompliance which may include termination under 2 CFR 200.400 Termination as set forth in SBIR/STTR-GTC-0042 and SBIR/STTR-GTC-0022, respectively, for failure to comply with the statutory requirements described in this award term.

After the expiration or termination of the award, the recipient must submit all financial, performance and other reports required as a condition of the award. These reports are listed in the Federal Assistance Reporting Checklist and may include, but are not limited to, the following:

- **Final Technical Report** (due 14 calendar days after expiration)
- **Final Financial Status Report** (due 120 calendar days after exp.)
- **Patent Certification** (due 120 calendar days after expiration)
- **Property Certification** (due 120 calendar days after expiration)
- **Life Cycle Certification** (at least 30 calendar days prior to exp.)
- **NDAA of 2019 Annual Technical or Business Assistance Report** (Submitted Annually in the Final Technical Report)
- **Disclosure of Foreign Relationships** (at least 30 calendar days prior to exp.)

ALWAYS follow the instructions in your Reporting Checklist

- Post award administration and budget-related questions may be directed to the DOE Assistance Agreement Administrator listed on page 2 of your Assistance Agreement.
- Post award technical and progress-related questions may be directed to the DOE Program Manager listed on page 2 of your Assistance Agreement.
- Patent and Intellectual Property-related questions may be directed to Cynthia Ridge at (630) 394-2541 or Cynthia.Ridge@science.doe.gov
- PAMS system requirements or any other technological issues should be directed to the DOE PAMS Support Center at 855-818-1846 or sc.pams-helpdesk@science.doe.gov

DOE Office of Inspector General: Fraud, Waste & Abuse



DOE Office of Inspector General

Combating Fraud



- *What types of fraud are found in the SBIR Program?*
- Application Process
 - submitting a plagiarized proposal
 - providing false information regarding the company, the Principal Investigator (PI), or work to be performed
 - seeking funding for work that has already been completed
- During Award
 - using award funds for personal use or for any use other than the proposed activities
 - submitting plagiarized reports or reports falsely claiming work has been completed
 - claiming results for an award that were funded by a different source



DOE Office of Inspector General

Knowing the Rules



- ***Which SBIR rules should you be particularly familiar with?***
 - Duplicate or overlapping proposals may not be submitted to multiple agencies without full disclosure to all agencies.
 - The company must meet SBA's requirements for a small business, including being majority American owned and have 500 employees or fewer.
 - For SBIR: The PI's primary employment must be with the company during the grant period. The PI may not be employed full time elsewhere.
 - For SBIR: For Phase I, a minimum of two thirds of the research effort must be performed by the grantee company; for Phase II, a minimum of one-half of the research effort must be performed by the grantee company. Work performed by a university research lab is NOT work completed by the grantee company.
 - University employees participating on an SBIR award should disclose their involvement to the university as well as their use of university facilities.
 - R&D must be performed in the United States.



Consequences

- ***What Happens If You Break the Rules?***
 - If you commit fraud or other wrongdoing in applying for or carrying out an SBIR award, we will investigate.
 - We refer violations of civil or criminal law to the Department of Justice (DOJ). If DOJ prosecutes you for fraud or false statements, you may be sentenced to prison and required to pay full restitution. If DOJ pursues a civil action under the False Claims Act, you may have to pay treble damages and \$11,000 for each false claim. In addition, DOE may terminate your awards and debar you from receiving grants or contracts from any federal agency.

Recent Prosecution



October 4, 2022

Lexington Woman Sentenced for Wire Fraud and Money Laundering

The United States District Court, Eastern District of Kentucky, sentenced Jyoti Agrawal (Agrawal) to **42 months in federal prison** for conspiracy to commit wire fraud, wire fraud, and money laundering.

According to evidence at her trial, Agrawal was a co-owner of the company ScienceTomorrow, with Subhadarshi Nayak. In December 2013, Agrawal agreed with Nayak to electronically submit a proposal containing a fabricated letter of support from a key subcontractor, in order to increase their chances of receiving a Phase II SBIR grant from the Department of Energy (DOE), in the amount of \$999,266.00, to research and develop a scanning electron microscope detector. Agrawal knew the fake letter inflated the budget an out-of-state university had provisionally authorized in support of the project.

In 2014, the DOE awarded the Phase II grant to ScienceTomorrow, in part relying on this misrepresentation. Agrawal ultimately received more than a million dollars for the project from DOE, and **\$500,000** from Kentucky's state matching funds program, which depends on the lawful receipt of a federal grant award.

The evidence further showed that Agrawal had controlled the money and that Nayak left the project early on. Ultimately, the out-of-state university did not work on the project, as proposed, and received no payments. Bank records established Agrawal had personally accumulated over \$440,000 of DOE grant funds during the two-year performance period. Agrawal also spent an additional \$146,000 of the DOE Phase II funds on an MBA degree in Chicago, during this time, partially supporting her money laundering conviction. Subsequently, Agrawal submitted false certifications to the DOE, stating all funds had been expended in accordance with DOE terms/conditions; however, the evidence at trial revealed she had unlawfully retained over \$300,000 of the DOE funds she certified she had spent on the project.

Nayak was also convicted and sentenced in December 2021.

As part of her sentencing, Agrawal was ordered to pay restitution in the amount of **\$1,048,255.00 to DOE and \$500,000 to Kentucky**. Nayak was also assigned restitution in conjunction with Agrawal.



U.S. DEPARTMENT OF
ENERGY

Office of SBIR/STTR
Programs

DOE Office of Inspector General

Reporting Fraud



- The Department of Energy's Office of Inspector General (OIG) promotes the effective, efficient, and economical operation of DOE's programs and operations through audits, inspections, investigations, and other reviews.
- Within DOE OIG, the Office of Investigations is responsible for investigating any fraudulent acts involving DOE, its contractors or subcontractors, or any crime affecting the programs, operations, Government funds, or employees of those entities.
- ***If you want additional information or to report wrongdoing:***

Internet: ig.energy.gov
E-mail: ighotline@hq.doe.gov
Telephone: 202-586-4073
Hotline: 800-541-1625
Fax: 202-586-5697

U.S. DEPARTMENT OF ENERGY
OFFICE OF INSPECTOR GENERAL
ATTN: OFFICE OF INSPECTIONS
1000 INDEPENDENCE AVENUE, SW
MAIL STOP 5D-031
WASHINGTON, DC 20585



U.S. DEPARTMENT OF
ENERGY

Office of SBIR/STTR
Programs